AUTHOR INDEX

Aalbersberg, W. 921
Abarca, O. 1793
Abd El-Hafiz, M. A. 2029, 3127
Abdalla, M. F. 1169
Abdallah, O. M. 2805
Abdei-Mogib, M. 3461
Abdel-Galil, F. M. 1348
Abe, F. 1737, 3379
Abegaz, B. M. 879, 1011, 1281
Abeygunawardena, C. 941
Abou-Donia, A. H. 3445
Abou-Elzahab, M. 3461
Abraham, W.-R. 371, 1463
Abrams, S. R. 3189
Abu Zarga, M. H. 2393
Abulnaja, K. O. 1445, 2883
Achari, B. 361, 2415, 4177
Acharya, M. K. 2895
Achenbach, H. 1957, 3753
Achenbach, J. 1265
Ackman, R. G. 113
Aclinou, P. 2083
Adam, G. 364, 2349, 2717. 3717, 4184
Adibatti, N. A. 2449
Adityachaudhuri, N. 3812
Adler, J. H. 2905
Adzet, T. 2289
Aerts, R. J. 2947, 3571
Aerts-Teerlink, O. 3571
Ageorges, A. 121
Ageta, H. 3369
Agrawal, P. K. 1336, 3467, 4197
Aguiar, Z. E. 1137, 1269, 3462
Ahmad, F. B. 2430
Ahmad, H. 1409
Ahmad, M. 1345, 2815
Ahmad, R. 3057
Ahmad, S. 356
Ahmad, V. U. 689, 1015, 1040, 1331, 1350, 1709, 2800, 3057, 4172, 4181, 4206
Ahmed, A. A. 611, 1207, 2442
Ahmed, D. 1295
Ahmed, M. 1712, 2078, 2407, 2807, 3155
Aitzetmüller, K. 4011
Akahori, A. 2796
Akahori, C. 2015
Akakabe, Y. 3595
Akdemir, Z. 2401
Akhila, A. 485, 2573
Akihisa, T. 351, 2369, 3621, 4029,
Aksnes, D. W. 4137
Al-Hasan, R. H. 117
Al-Tel, T. H. 2393, 3081
Aladesanmi, A. J. 1847, 3497
Alam, M. 807, 1741
Alam, M. S. 3826
Alberdi, M. 3177
Albersheim, P. 3903
Albertin, H. 3553
Albores-Velasco, M. 1915
Alexander, I. C. 1801
Ali, B. R. 2131
Ali, M. 3826
Ali, M. S. 2227, 3967, 4172
Ali, R. A. 368
Aljancic, I. 3464
Allais, D. P. 3099
Allen, N. S. 3043
Almtorp, G. T. 2753
Alpi, A. 1789
Altarejos, J. 1551
Alvarez A., C. M. 1635
Alvarez-Manzaneda R., E. J. 593
Alves, A. C. 1344
Amano, K. 1034
Ames, J. M. 883
Amico, V. 1921
Ammar, H. A. 3111
Anderberg, A. 2643, 2703, 3009
Andersen, O. M. 4137
Anderson, J. C. 1125
Andrés, L. S. 4067
Andriantsiferana, M. 1665
Angelis, P. de 471
Angenot, L. 1697
Anjaneyulu, A. S. R. 3041
Anthoni, U. 3049
Anton, R. 2029, 2357
Aoki, T. 3197
Appendino, G. 1319, 3467
Aquino, R. 1635
Arai, Y. 3369
Arambewela, L. S. R. 1740
Arancibia L., L. 4189
Araya, F. 1793
Arbillot, J. 491
Argandona, V. 1093
Arias, F. J. 3185
Arita, J. 991
Armstrong, J. A. 4033
Arnold, N. A. 3693
Arnone, A. 2729
Arredondo-Vega, B. O. 2919
Arriaga-Giner, F. J. 2307
Arrigoni, O. 1397
Arruda, A. C. 3157
Arteaga, J. M. 913, 3361
Asai, F. 3091
Asaka, Y. 1191, 2545, 4075
Asakawa, Y. 215, 219, 235, 325, 567, 849, 1147, 1523, 2295, 2927, 2969, 3037, 3149, 3806, 3981, 3993,4019, 4061
Asen, S. 1728
Ashihara, H. 2245
Asif, E. 1295, 3824
Aspinal, D. 407
Assi, L. A. 1307, 1691, 3845
Asthana, R. K. 1037
Atta-ur-Rahman 356, 368, 1001, 1285, 1295, 1701, 2393, 3081, 3824
Aumelas, A. 3357
Auriola, S. 1451
Avalos, J. 2259, 2587
Avent, A. G. 3802
Avila, D. 3474
Awadallah, S. 3767, 3777
Awang, K. 3164
Awasthi, Y. C. 1409
Ayafor, J. F. 2809
Azanza, J. L. 2849, 3511

Baas, W. J. 1625
Baba, K. 4143
Babady-Bila 3069
Backhaus, R. A. 2493
Badoc, A. 1419
Badria, F. A. 2265
Badzies-Crombach, A. 1703
Bai Peiyu 3797
Bai, L. 2733, 2759
Bai, Y.-L. 947
Baker, A. J. M. 2141
Bakhtiar, A. 3840
Balakrishna, K. 2449
Balasubramaniam, S. 1231
Balde, A. M. 337, 997, 1024, 4129
Balding, P. 745, 3515
Ballio, A. 131, 137
Balza, F. 1613
Banerjee, J. 3478
Banerji, J. 2483
Banerji, R. 2087
Bano, S. 1015
Baqai, F. T. 3057
Barakat, H. H. 3763, 3767, 3777
Barata, L. E. S. 4204
Barber, R. F. 63
Barbier, M. 389
Barciszewski, J. 1749
Barnekow, D. E. 4147
Baron, M. 3125
Barragan, A. 1551
Barreiros, E. L. 853
Barrera, J. B. 4189
Barrero, A. F. 593, 641, 1551, 2259
Barria, B. N. 1531
Barrios, H. 1613
Barron, D. 1169
Barros, C. S. 789
Barros, S. M. 3215
Barrow, K. D. 4041
Basabe, P. 3471
Basak, M. 321, 3429
Basaran, A. A. 3073
Bashir, A. 3781
Bassleer, R. 1697
Bates, R. B. 2175
Bauer, W. 2953
Bausch, J. 147, 2147
Baute, M.-A. 1419
Baute, R. 1419
Baynham, M. K. 2227
Bayonove, C. L. 451
Becher, A. 1493
Becker, H. 1013, 3043
Bejarano, E. R. 2587
Belliard, G. 2547
Benkouider, A. 2083
Benn, M. H. 127
Bennett, G. J. 1347, 3141
Bennett, R. D. 2365, 2659, 3803, 4198
Bennini, B. 1819, 3099
Bensalem, S. 2607
Bentley, R. 3585
Benveniste, P. 2547
Berardo, N. 1455
Bergstrom, G. 3221
Berhow, M. A. 4198
Berkel, I. E. M. van 1625
Bernards, M. A. 497
Besace, Y. 2711
Bess, V. H. 2493
Bhagwat, A. S. 431
Bhakuni, R. S. 3159
Bhattacharjee, D. 1036
Bhattiprolu, K. R. 4193
Bheemasankara Rao, Ch. 1971
Bhojwani, S. S. 833
Bhutani, K. K. 3599
Bianchi, G. 461
Biehl, B. 2135
Bilia, A. R. 3830
Billard, J. P. 491
Billeter, M. 987
Binnekamp, A. 2577
Birecka, H. 99, 105, 1703
Birecki, M. 99
Bisaria, V. S. 833
Bisset, N. G. 3285
Biswas, T. K. 2119
Bitonti, A. J. 99, 105
Bittner, M. 893, 1329
Blakesley, D. 387
Blanco, O. 1175, 2071
Blanco-Labra, A. 2829
Blaschek, W. 3579
Blein, J.-P. 2171
Blennow, A. 437
Blunden, G. 1339
Bobovnicky, B. 713
Bobzin, S. C. 1971
Bochicchio, A. 461
Bodo, B. 1621, 2361, 2383
Bodurova, G. 1317
Bohlmann, F. 575, 583, 607, 693, 893, 909, 1161, 1211, 1573, 1579, 1585, 1591, 1597, 1645, 1714, 1941, 2407, 2643, 2651, 2653, 2691, 2695, 2703, 2807, 2991, 3009, 3033, 3297, 3669, 3683, 3808, 3810, 4025
Bohm, H. 1109
Bokern, M. 3261
Boldin, W. D. 2939
Boldt, P. E. 1573, 1585
Boller, T. 2151
Bolwell, G. P. 397, 3171
Bolzani, V. da S. 2089
Bonefeld, M. 1255
Bonnec, G. 113
Bonnet, P. 2171
Boon, J. J. 3923
Borraccino, G. 427
Bose, P. 2438
Botta, B. 1849
Boucaud, J. 491
Bouchereau, A. 1873
Bourauel, R. 3107
Bourne, D. J. 4041
Bovalini, L. 109
Braggio, M. M. 3144
Brall, S. 1493
Bramley, P. M. 3971
Brandt, E. V. 1255
Braz-Filho, R. 1020, 1225
Breitmaier, E. 1703
Brendel, J. 3349
Brengle, B. 3539
Bridge, P. D. 1125
Brinen, L. S. 4147
Bringmann, G. 1307, 1691, 2067, 3845
Brinker, A. M. 2623, 3229
Brito, I. 589, 4067
Brodelius, P. E. 2151
Brooks, R. R. 2141
Broomhead, A. J. 1489, 1511
Brown, J. H. 2537
Bruno, M. 275, 613, 1603, 2339, 3458, 3693, 4079, 4165

Buchwaldt, L. 2311
Budenberg, W. J. 3929
Budesínsky, M. 4163
Budzianowski, J. 1679
Burd, D. K. 4181
Burger, J. F. W. 1255, 2041
Burton, G. 779
Burton, H. 3209
Busse, H. 1691
Bychek, I. A. 837, 4015
Bycroft, B. W. 2237
Bye, R. 3822
Bye, R. A. 1716

Caballero, E. 3134
Cabezudo, B. 3315
Cabrera, G. 1239
Cabrera, J. L. 1042
Caccamese, S. 1921
Cai, Y. 2033
Calhoun, L. A. 719
Calis, I. 2401, 3073
Calkins, C. O. 3215
Calle, J. 1137, 1269, 3462
Calmon, J.-P. 733
Cambie, R. C. 287
Campbell, M. H. 475
Campos, A. M. 1225
Candau, R. 2259
Canigueral, S. 2289
Capasso, R. 3945
Carabot Cuervo, A. 1339
Carda, M. 3661
Cardenas, J. 905, 2335, 3357
Cardona, G. 153
Cardona, M. L. 2331
Carlson, D. G. 2623
Carvalho, M. M. 2829
Casadevall, E. 1439, 2209, 2711
Casavall, E. 175, 185
Cass, Q. B. 2655
Castedo, L. 1005, 1175, 2071, 2781
Castellano, S. 137
Castiglione Morelli, M. A. 131
Castillo, M. 1607
Castro, A. 3483
Castro, M. A. 695
Castro, V. 1712
Catalan, C. A. N. 1323, 1933
Catalano, S. 3828
Cavalcanti, M. S. B. 708
Cave, A. 2721, 3335
Cerda-Olmedo, E. 2259, 2587
Cerrini, S. 137
Chairul, 4105
Chairul, S. M. 4105
Chakraborty, C. K. 1036
Chakravarty, A. K. 4987
Chambers, J. A. 2537
Chamy, M. C. 589, 1719, 3365
Chan, B. G. 1657
Chan, K. L. 3138
Chan, P. Y. 3525
Chandra, A. 495, 549
Chang, H.-M. 354
Chang, J.-J. 1018
Charles, B. 2721
Charrier, A. 4039
Chatterjee, A. 2094, 2447
Chatterjee, S. K. 1037
Chatterjee, T. P. 1036
Chaudhuri, A. 1833
Cheminat, A. 1259
Chen Deyuan 1721
Chen Xingliang 1721
Chen Yaozu 1547, 4169
Chen Zonglian 3797
Chen, B.-Z. 947
Chen, J.-H. 3842
Chen, M. 3842
Chen, M.-H. 3132
Chen, R.-F. 3379
Chen, S.-F. 2493
Chen, W.-L. 2793
Chen, X.-M. 663
Chen, Y. 283
Chen, Y.-P. 1018
Chen, Y.-Q. 917
Cheng, D.-L. 2707
Cheng, P. 3699
Cheng, Q. 2939
Cheng, Y. F. 3539
Cheng, Y.-S. 1333, 2793, 3383
Cheynier, V. 1259
Chiale, C. A. 1042
Chiba, K. 2559
Chilton, W. S. 1471
Chin, M. 965, 1639, 1997
Chiron, S. 3553
Chittawong, V. 1131
Chitwood, D. J. 2301
Chiu, S.-F. 1797
Chojnacki, T. 267
Choshi, W. 2699
Choudhary, M. I. 356, 368, 3824
Choudhary, M. W. 1285, 1295
Christ, B. 927
Christensen, L. P. 11, 515, 1157, 2453, 2663, 3289, 3457, 4151
Christensen, S. B. 2987
Christophersen, C. 3049
Chulia, A. J. 3099
Chung, M.-I. 3103
Cisero, M. 3467
Cizeau, J. 3549
Claeys, M. 337, 545, 997, 1024, 1129, 2373
Claeys, M. 4129
Clardy, J. 679, 1311, 4147
Claydon, N. 3802
Clifford, M. N. 4039
Clivio, P. 3785
Coddington, J. M. 1809
Codignola, A. 2285
Cogoni, A. 3895
Cohen, Z. 205
Cole, M. D. 1125
Compernolle, F. 3069
Connolly, J. D. 619, 3141
Copaja, S. V. 1531
Corcuera, L. J. 1793, 3177, 3237
Cordell, G. A. 679, 1311
Cornish, K. 2493
Cornish, M. C. 1125
Cortes, D. 2071, 3335
Corthout, J. 1129
Coskun, M. 4191
Cossins, E. A. 3525
Cotte, J. 3335
Coucke, P. 1697
Couladis, M. M. 801
Coulson, V. 397
Coussio, J. D. 2757
Craveiro, A. A. 1020
Crawford, R. M. M. 3499
Creasy, L. L. 85
Cristi, R. 763

Crocoll, C. 1059
Cros, E. 4039
Crozier, A. 3913
Cuevas, A. 2555, 3315
Cui, Y.-X. 354
Culberson, C. F. 706
Culberson, W. L. 706
Cundiff, C. 2119
Czygan, F.-C. 527, 1891

D'Agostino, M. 2440
D'Arc-Felicio, J. 1869
D'Souza, L. 3323
Dahiya, J. S. 1235, 2825
Dai, J. 3749
Dale, P. L. 3525
Dall'Olio, G. 1849
Daniewski, W. M. 871, 1326
Darabu, S. 1033
Dartayet, G. H. 1323
Darvill, A. G. 3903
Das, A. K. 3812
Das, B. 4087
Das, P. C. 2094
Dathe, W. 1909
Datta, B. K. 3155
Datta, G. 3478
Daulatabad, J. D. 2399
Davidson, A. 3209
Davis, A. J. 3635
Davis, C. A. 3967
Davis, G. D. 197
Dawidar, A. M. 3461
Daxenbichler, M. E. 2623
De Buyck, L. F. 1726
De Feo, V. 1635, 2440
De Giulio, A. 3445
De Kimpe, N. 2757
De Las Rivas, J. 1535, 3971
De Oliveira, A. B. 2379
De Oliveira, G. G. 2379
De Pooter, H. L. 1726
De Rosa, M. C. 1849
De Simone, F. 2440, 3830
Deahl, K. 3161
Debenedetti, S. L. 2757
Declercq, J. P. 2757
Deepak, D. 297
Deffieux, G. 1419
DeFreitas, A. S. W. 113
Del Hierro, P. 2403
Del Pero de Martinez, M. A. 4037
Del Rey, B. 3134
Delage, C. 3099
Delaude, C. 1697, 3449
Delay, D. 3549
Delgado, G. 1716, 3129
Della Greca, M. 2422
Dellar, J. E. 1125
Delle Monache, F. 703, 2003, 3657
Delle Monache, G. 703, 1849, 2003
Delmotte, F. M. 3549
Dembitsky, V. M. 837, 2279, 4015
Desai, B. B. 1061
Deverre, J.-R. 3785
Devys, M. 389
Dewick, P. M. 1489, 1511, 2237
Dhar, K. L. 871
Di Benedetto, R. 3657
Diallo, B. 4153
Díaz, J. G. 1933, 3458, 4165, 4189
Dicke, M. 1459
Diez Martin, D. 3471

Ding Jingkai 3797
Ding Zhihui 3797
Ding, Y. 3703
Ding, Y.-L. 2413
Dipierro, S. 427
Dixon, R. A. 79, 2597
Djerassi, C. 811
Dmitriev, A. 799
Dmitrieva, N. 1133
Doganca, S. 2803
Dominguez, D. 1005
Domínguez, G. 3693
Dominguez, X. A. 2695
Dommisse, R. 545, 2373
Dönig, R. 3643
Donnelly, D. 373
Dorado, M. M. 593
Dorffling, K. 1059
Downum, K. R. 4196
Drewes, S. E. 3490
Duarte, J. H. 1707
Duarte, M. E. R. 1707
Duddeck, H. 947
Duh, C.-Y. 2812
Duke, S. O. 2499
Dunstan, G. A. 1855
Dupre, S. 1211
Dureja-Munjal, I. 2895
Dutta, C. P. 3478
Dutta, P. K. 361
Duxbury, C. L. 63

Eagles, J. 1044
Ebizuka, Y. 1481
Echeverri, F. 153
Edwards, G. E. 751
Edwards, R. 79, 2597
Egashira, T. 73
Eguchi, T. 3478
Eicher, T. 3643
Eisenbraun, E. J. 197
El-Ansari, M. A. 1169
El-Feraly, F. S. 343
El-Jissry, M. A. 1348
El-Mousallamy, A. M. D. 3763, 3767, 3777
El-Saadawi, W. E. 117
El-Sayed, N. H. 2442
Elavumoottil, L. 3488
Elber, Y. 841
Elix, J. A. 706
Ellis, B. E. 497
Endo, T. 1757
Endress, P. K. 3221
Engelhardt, U. H. 2057
Engelshowe, R. 2041
English, S. 531, 3005
Erkelens, C. 3951
Esaki, N. 2223
Escamilla, E. M. 599
Esmans, E. 545, 2373
Esquivel, B. 2335
Esquivel, O. 2335
Essenberg, M. 197
Evans, F. J. 2033
Evidente, A. 131, 137, 3445, 3505, 3945

Fahlstadius, P. 1905
Faizi, S. 1615
Fallot, J. 471
Fang, J.-M. 1333, 2793, 3383
Fanta, E. S. 3125
Farkas, V. 3203
Farnsworth, N. R. 2685

Farooqui, T. A. 689
Fatima, I. 3057
Fatima, N. 3081
Faulkner, D. J. 1971
Favre-Bonvin, J. 1665, 1673
Feliciano, A. S. 695
Felicio, J. D. 3144
Fellows, L. E. 1125
Feneau-Dupont, J. 2757
Feng, S.-I. 4156
Fenik, I. J. S. de 1323
Fernandes, J. B. 2019, 3157
Fernandez, I. 1030, 2331
Fernandez, J. 763
Feroz, M. 3081
Ferrando, C. 3653
Ferrari, F. 708
Ferreira, D. 1255, 2041
Ferreras, J. M. 3185
Ferreres, F. 3311
Ferri, P. H. 4204
Ferrol, N. 1551
Ferron, F. 729
Feucht, W. 1519
Fiasson, J. L. 1673
Fido, R. J. 3519
Field, J. S. 3490
Filner, P. 69
Finch, P. 375
Finger, A. 2057
Fischer, H. 927
Fischer, N. H. 1861
Fisher, T. H. 2939
Fizza, K. 689
Floris, G. 3895
Flurkey, W. H. 3899
Fong, C. H. 1487, 2659
Fonseca, G. 3941
Foo, L. Y. 667
Fortin, J. A. 1113
Foti, M. 1921
Fouraste, I. 3840
Fowden, L. 3859
Fraga, B. M. 913, 2567, 3361
Fraigui, O. 2383
Franchi, G. G. 109
Francisco, R. H. P. 3157
Francke, W. 3221
Franz, G. 3499, 3579
Franzen, J. 147, 2147, 2911
Fraser, P. D. 3971
Fraternale, D. 2821
Frechet, D. 927
Freire, E. C. 2655
Freyer, A. 3709
Frohlich, M. W. 1703
Fuente, G. de la 2677
Fujii, T. 1401, 3505
Fujimori, N. 2245
Fujimoto, Y. 3478
Fujimura, T. 1805
Fujino, Y. 1165
Fujita, T. 603, 1191, 2223
Fukai, T. 1245
Fukazawa, Y. 3037
Fukuhara, K. 685
Fukui, H. 3605
Fukumoto, H. 3152, 3639
Fukushi-Fujikura, Y. 201
Fukuyama, Y. 3433, 4019, 4061
Furber, M. 3247
Furihata, K. 3411
Furukawa, H. 1052
Furuya, T. 1503, 1555, 1843, 3989

Gabalda, N. 2289
Gaber, M. 3445
Gacs-Baitz, E. 703, 2003, 3657
Gage, D. 329
Galensa, R. 3486
Galinis, D. L. 1649
Gallegos, M. A. V. 1099, 2889
Gambaro, V. 589, 1719, 3365
Gan, K.-H. 3103
Ganzer, U. 2651
Gao, F. 553
Gara, L. de 1397
Garbarino, J. A. 589, 1719, 3365
Garces, R. 2127
Garcia, A. I. 3315
Garcia, B. 1030
Garcia, P. E. 1716
García-Lliso, V. 4167
Garcia-Sarrion, A. 2325, 3339
Gariboldi, P. 1319
Garnier, J. 3488
Gaspar, T. 491
Gaunt, J. K. 1099, 1107, 2889
Gehlert, R. 457
Geibel, M. 1519
Geiger, H. 1653
Gergely, A. 337, 997
Gerwick, W. H. 1187
Geuder, T. 2067, 3845
Ghiasuddin 1615
Ghini, A. A. 779
Ghosh, P. 4029
Ghosh, R. 2447
Giannini, J. L. 3233
Gibson, C. L. 4039
Gil, M. I. 3311
Gilbert, J. 2237
Gill, M. 951
Gimenez, A. 951
Giner, J.-L. 811
Giordani, R. 1069
Girbes, T. 3185
Girod, P.-A. 169
Gladu, P. K. 2301
Glatzle, D. 147, 2147
Glavac, V. 1415
Gleba, Y. Y. 2033
Gledhill, L. 2237
Gleye, J. 3840
Glombitza, K.-W. 2741, 3417, 3423
Gluchoff-Fiasson, K. 1673
Gluzinski, P. 1326
Goedken, V. L. 1933
Goh, S. H. 366
Goh, S.-H. 3441
Goldstein, I. J. 509
Gomez Gonzalez, C. 1352
Gomez, B. 3471
Gomez, R. 1535
Gomez-G., F. 1947
Gómez-Garibay, F. 3293, 3832
Gonser, P. 899
González, A. G. 1137, 1269, 3462, 4067, 4189
Gonzalez, P. 2567
Gordaliza, M. 695, 3483
Gorin, P. A. J. 1707, 3125
Gottlieb, H. E. 1869, 2435, 4200
Gottlieb, O. R. 853, 2671, 4121, 4200
Grancaiova, Z. 713
Grande, M. 1977
Graniti, A. 131

Granja, J. A. 2781
Gray, A. I. 1221, 4033
Grayling, A. 2249
Greany, P. D. 3215
Grebenok, R. J. 2905
Green, T. P. 1649, 3759
Greenaway, W. 531, 1883, 1887, 3005
Greenham, J. 1044
Greinwald, R. 1891
Grenz, M. 1211, 2691
Griesbach, R. J. 1728
Griffin, W. J. 2667
Griggs, D. L. 2507, 2513
Grillo, T. A. 1137, 1269, 3462
Grisebach, H. 479
Gritsanapan, W. 2667
Grodzinsky, D. 799
Groeneveld, H. W. 2577
Gros, E. G. 779, 1239, 1323, 2983
Gross, K. C. 1777
Groth, I. 3221
Grover, A. 393
Gue, Y. 3699
Guecho, C. 2357
Guerin, B. 3549
Guha-Mukherjee, S. 2895
Guillermo, R. 3361
Gulz, P.-G. 769
Gumulka, M. 1326
Gumusdere, I. 1883
Gunata, Z. Y. 451
Gunther, K. 1307
Gupta, D. 2761
Gupta, M. P. 3043, 3781
Gupta, M. W. 875
Gupta, S. C. 85
Gupta, V. S. 3889
Gutierrez, A. B. 1933

Haag-Berrurier, M. 2357
Haass, M. M. 2911
Habib, A.-A. 3445
Habib-ur-Rehman 1285
Habibi, Z. 1929, 2405
Hadi, A. H. A. 3164
Haidour, A. 593
Hakamatsuka, T. 1481
Halvorson, J. S. 3233
Hamada, H. 2269
Hamada, T. 4057
Hamana, K. 3319
Hamasaki, T. 2563
Hamburger, M. 3625, 3781, 3864
Hamelin, J. 1873
Han Xiu-Wen 3437
Hanawa, F. 165, 1683, 2197
Handjieva, N. 1317
Hang, N. T. B. 4184
Hanke, D. E. 2249
Hanna, R. 3203
Hansen, C. E. 1837, 2899
Hanson, J. R. 807, 2227, 3802, 3967
Hanssen, H.-P. 1463
Hantash, F. M. 117
Hao Zhigang 3494
Hara, M. 3605
Hara, Y. 633, 1993
Harada, N. 201, 3611
Harborne, J. B. 374, 376, 723, 1044, 1355, 1677, 1745, 2451, 2452, 2819, 3171, 3172, 3500, 3501, 3559, 3852, 4209
Hardy, D. J. 1099, 2889
Hari, L. 1726
Harkes, M. P. 3601
Harmsen, S. 3021
Harrison, L. J. 1013, 3141, 3806
Hartmann, T. 3267
Harwood, J. L. 1445, 2883
Hasan, M. 4181
Hasan, N. 1001
Hase, T. 1034, 4057
Hasegawa, K. 57
Hasegawa, S. 1487, 2365, 2659, 3803
Hashidoko, Y. 3729, 3837
Hashimoto, I. 2791
Hashimoto, K. 2223
Hashimoto, M. 351
Hashimoto, T. 219, 235, 1523, 2927
Haslinger, E. 1629
Hassanali, A. 3929
Hatakka, A. I. 2869
Hatanaka, A. 193, 1499, 1805, 2109
Hatanaka, S.-I. 3197
Hattori, E. 2271
Hattori, S. 2295
Hayashi, K. 3013
Hayashi, T. 3617
Hayashi, Yo. 4105
Hayashi, Yu. 4105
Hazell, A. C. 2753
He, Z.-D. 701
Hedden, P. 2507, 2513
Hedin, P. A. 1131
Heide, L. 2233
Heijden, R. van der 2873
Heilemann, J. 1773
Hemrich, H. 1265, 1957
Henderson, J. 1073
Henderson, R. J. 1781
Henin, J. 3449
Henry, M. 1819
Herath, W. M. 1709
Herman, Z. 1487, 2659
Hernandez, M. 1607
Hernandez, M. G. 913, 2567, 3361
Herrmann, K. 3486
Herve du Penhoat, C. L. M. 329
Herz, W. 1011, 1273, 1933, 3458, 4165
Hesketh, A. R. 2237
Heuer, S. 3261
Heuvel, H. van den 2373
Hiegemann, M. 947
Hikino, H. 2777
Hilditch, C. M. 745, 3515
Hiller, K. 627, 1629
Himejima, M. 1467
Hirakawa, T. 3077
Hirakura, K. 3327, 4053
Hiraoka, A. 89, 3611
Hirono, S. 3819
Hirotani, M. 1503, 1555
Hisashi Komae 3797
Hisham, A. 545, 2373
Ho, F. 3095
Hocart, C. H. 2477
Hocquemiller, R. 2721, 3335
Hoffmann, J. J. 1847, 2175, 3497
Homer, F. A. 2141
Hon, P.-M. 354
Honda, T. 671, 2387, 3769, 3828
Hong, S.-K. 3153
Hook, I. 3977
Hoornaert, G. 3069
Horgan, R. 387, 815
Hori, K. 4191
Horton, R. Y. 3935
Hosamani, K. M. 2399

Hoshino, T. 2049
Hostettmann, K. 889, 3625, 3781, 3864
Hougaard, L. 3049
Houghton, P. J. 253, 347, 717, 3405
Hsu, H.-Y. 1018
Hu, C.-Q. 1018
Hu, M.-Y. 1797
Hua, H.-M. 1710
Huang, D.-S. 2493
Huang, Z. H. 3168
Hubbard, T. F., Jr 2939
Hubener, A. 3221
Huber, D. J. 2523
Huesing, J. E. 785, 3565
Hufford, C. D. 2265
Hunaiti, A. A. 2131
Huneck, S. 583, 706, 710, 1645, 1714, 1941, 3033
Hursthouse, M. B. 3635

Iacobellis, N. S. 3505
Iacomini, M. 3125
Ibanez, C. 2289
Ibarrondo, J. 1535
Ibrahim, R. K. 1767
Ichihara, Y. 4071
Ichikawa, S. 649
Ichimura, M. 1732
Ichishima, E. 3885
Ifuku, Y. 2365, 2659
Iglesias, R. 3185
Iinuma, M. 2765, 2817, 3091, 3095, 3153, 3773
Iinuma, T. T. M. 1732
Iinumas, M. 3699
Iitaka, Y. 3713
Ikeda, H. 2223
Ikeshiro, Y. 2791
Ikeya, Y. 975, 1543, 2061, 3013, 3327, 4053
Ikuta, A. 2425
Ikuta, H. 3713
Ilarslan, R. 4195
Ilyas, M. 1345, 2815, 3826
Imperato, F. 3839
Imre, S. 255
Inaba, K. 1425
Inagaki, N. 965
Inazumi, A. 3227
Ingham, J. L. 1683, 2769
Inoue, H. 3828
Inoue, K. 1191, 2733, 2759
Inoue, T. 3077
Inouye, H. 1191
Inquello, V. 2849, 3511
Iqbal, S. 1350
Ireton, K. P. 105
Irie, M. 3273
Irwin, P. 3161
Ishak, M. S. 2442
Ishidsu, J. 3411
Ishige, M. 4121
Ishiguro, K. 3152, 3639
Ishihara, M. 563, 3343
Ishii, K. 933, 4099
Ishii, T. 2317
Ishimaru, K. 825, 1153, 2255, 2275, 2977, 3273
Ishino, M. 2015
Ishizuka, K. 57
Isio, K. 3152
Isla, M. I. 423, 739
Ismail, N. 1040, 4206
Isoi, K. 3639
Israilev, L. R. A. de 4037
Ito, C. 1052
Ito, S. 1165
Itoh, A. 3117
Itokawa, H. 637, 2410, 3713, 4071
Iwagawa, T. 4057
Iwamoto, Y. 2791
Iwasa, K. 2973
Iwasaki, S. 991
Iwatsuki, K. 2817

Jackson, D. E. 1489
Jacquier, M.-J. 3449
Jagannadha Rao, K. V. 2427, 3741, 4193
Jain, D. C. 3469
Jain, N. 1345, 2815, 3826
Jakupovic, J. 211, 553, 583, 893, 899, 1211, 1329, 1573, 1645, 1712, 1714, 1929, 1941, 2405, 2407, 2651, 2691, 2785, 2807, 3033, 3155, 3661, 3808
Jamal, S. A. 1295, 3824
Jammula, S. R. 2427, 3741, 4193
Janiszowska, W. 3909
Jankowski, C. 3357
Jantan, I. 366
Januario, A. H. 2019
Jareonkitmongkol, S. 3255
Jaroszewski, J. W. 867
Jarvis, B. B. 789
Javed, K. 1033, 1989
Javelle, F. 1089
Jeffrey, S. W. 1855
Jennings, A. C. 407
Jensen, E. 1909
Jensen, J. S. 2311, 2987
Jha, S. 3999
Jha, T. B. 3999
Jia Zhong-Jian 3437
Jia Zhongjian 3745
Jia, Z.-J. 583, 1573, 1645, 1714, 1941, 2345, 2413, 2707, 3033, 3132, 3480
Jiang, Y. 2357
Jiang, Z. D. 1187
Jimenez, V. 3471
Jin, L. 2939
Jin, Z.-X. 2747
Jitoe, A. 2391
Johansen, O.-P. 4137
Johansson, G. 437
John, P. 725
Johne, S. 3995
Johnson, C. B. 375
Johnson, K. S. 2193
Jones, B. E. 4147
Jones, D. 397
Jones, G. P. 407
Jones, P. B. 745
Joshi, P. C. 2094
Ju Yong 3437
Juarros, J. L. 1535
Juliani, H. R. 1042
Jung, D. J. 710
Jung, J. H. 3615
Junior, P. 2401
Junqueira, N. 2135
Jurenitsch, J. 1629

Kadry, H. A. 3111
Kajiwara, T. 193, 1499, 1805, 2109
Kakegawa, K. 2271
Kakinuma, K. 3478
Kakuno, T. 2109
Kam, T.-S. 3441
Kamat, S. Y. 3323
Kamath, B. G. 431
Kameo, K. 215
Kameswaran, L. 2449

Kamigauchi, M. 2973
Kamikawa, T. 1191
Kamil, M. 1345, 2815, 3826
Kamiya, S. 3273
Kamiyama, A. 3433
Kandil, F. E. 2442
Kanes, K. 4198
Kanie, Y. 2765
Kaouadji, M. 3099
Kaplan, M. A. C. 2671
Kapoor, H. C. 393
Kapor, S. 2979
Karchesy, J. J. 667
Kardono, L. B. S. 3749
Karikome, H. 315
Kasai, R. 2699, 3819
Kasetani, Y. 4075
Kashibe, M. 193
Kato, S. 2391
Kato, T. 2733, 2759
Katoh, K. 3255
Katsuhara, T. 1639, 1997, 3013
Kaul, R. 4005
Kaul, V. K. 3349
Kawabata, J. 645, 649
Kawaguchi, K. 1503
Kawai, K. 2096
Kawai, M. 3773
Kawai, T. 3353
Kawasaki, M. 3617
Kawasaki, T. 957
Kawashima, K. 3063, 3721
Kawazura, H. K. 2447
Kearney, P. S. 1855
Keller, W. J. 1833
Kelley, C. J. 3497
Kettner, J. 1059
Keumedjio, F. 619
Khalifa, T. I. 3111
Khan, A. Q. 2800
Khan, M. A. 689
Khan, M. B. 3559
Khan, M. H. 1033, 1989
Khan, M. S. Y. 1033, 1989
Khan, N. U. 2415
Khanna, N. M. 2798
Khare, A. 297, 301
Khare, M. P. 297, 301
Khotimchenko, S. V. 207, 2639
Kihara, M. 675
Kikuchi, M. 2013, 3147
Kikuchi, Y. 3273
Kikuta, Y. 1435
Kikuzaki, H. 3227, 3647
Kilonda, A. 3069
Kim, M. 4057
Kimbu, S. F. 619
Kimura, H. 1165
Kimura, T. 2410
Kimura, Y. 2563
Kindl, H. 457
King, R. M. 909, 1579, 1591, 2643, 2651, 2991
Kinghorn, A. D. 2685, 3749
Kinjo, J. 3703
Kiyohara, H. 535
Klocke, J. A. 1797
Kobayashi, M. 3647
Kobayashi, S. 675
Kobayashi, Y. 3605
Koda, Y. 1435
Kodama, K. 1805
Kodama, M. 3433
Kodama, T. 829
Kogetsu, H. 957
Kohno, M.-A. 2563
Koike, K. 933, 2271, 3353, 4099
Kojima, H. 2817
Kojima, M. 1165
Kojima, S. 3621
Kokubo, T. 829
Koller, A. 3903
Kolodziej, H. 337, 981, 1255, 2041, 4129
Komura, H. 1034
Kondo, K. 219, 325, 2295, 4019
Kong Man 3931
König, G. M. 3679
Konishi, H. 2269
Konno, H. 2115, 2861
Kope, H. H. 1113
Korhammer, S. 1629
Koshijima, T. 1425
Koskimies-Soininen, K. 2529
Koudogbo, B. 2711
Koul, S. K. 871
Kouno, I. 351
Koyama, K. 2080
Kozawa, M. 4143
Koziol, M. J. 2155
Kozlovsky, A. 799
Kraigher, H. 2249
Krakewski, J. 1326
Kramer, G. F. 2101
Kraus, J. 3017
Kraus, R. 1203
Krisna, E. M. 362
Krizek, D. T. 2101
Krupadanam, G. L. D. 1026
Kubelka, W. 1629
Kubo, I. 455, 685, 1467, 1797, 1951, 1967, 2545, 3476
Kubo, N. 1917
Kubota, K. 2425
Kubota, M. 2593
Kubota, T. 4075
Kuhne, B. 1463
Kuligowska, E. 1749
Kulothungan, C. 2449
Kulshreshtha, D. K. 1037
Kumar, M. 3899
Kumar, S. 2435
Kumar, V. 941, 1231, 1709
Kundi, A. B. 3053
Kuo, Y.-H. 3241
Kurihara, H. 645, 649
Kurogi, S. 4057
Kurosaki, F. 1823
Kurz, W. G. W. 3245
Kushlan, D. M. 1971
Kuwajima, H. 1191
Kyotani, Y. 2817

Laakso, S. 2161
Labbe, C. 1607
Lag, M. A. 763
Laha, S. 1036
Lai, J.-S. 1052
Laidman, D. L. 1107
Lal, A. R. 287
Lam, J. 11, 515, 1157, 2453, 2663, 3289, 3457, 4151
Lama, G. 1121
Lambein, F. 3241
Lambert, F. 3963
Lamnaouer, D. 2383
Lamour, I. 1873
Lancaster, J. E. 2857
Landgrebe, M. E. 801

Landry, J. 729
Lang, C.-I 2793
Lang, F. A. 2765
Lang, F. A. 3773
Langezaal, C. R. 495
Lanzetta, R. 1121, 3445
Lapierre, C. 659
Lapinjoki, S. P. 1451
Laprevote, O. 2721
Lardans, A. 3955
Largeau, C. 175, 2209
Larher, F. 1873
Latchinian-Sadek, L. 1767
Latiff, A. 347
Laurens, A. 3335
Lavaud, C. 2357, 3995, 4184
Lavaud, G. 1221
Lawson, S. L. 3533
Lazarus, C. M. 2507
Le Men-Olivier, L. 2083, 3449, 3785
Le Quere, J. L. 1169
Le Saos, J. 491
Leboeuf, M. 3335
Lecas, M. 451
Lechat, J. R. 3157
Lee, C.-M. 354
Lee, H.-H. 1347
Lee, K.-H. 1018, 3441, 3819
Lee, S. P. 3138
Lee, S. R. 2410
Lee, S.-H. 1251
Lee, T. T.-Y. 1018
Leete, E. 801
Leger, J. M. 1419
Legge, R. L. 63
Legris-Delaporte, S. 729
Lehmann, L. 1161
Leistner, E. 823
Lemmich, E. 2987
Lenton, J. R. 387
Leonnarat, B. A. 1728
Leonowicz, A. 2869
Leple, J.-C. 3549
Letham, D. S. 2477
Leuschner, C. 2203
Lex, J. 3709
Li Yanzi 3931
Li, B. 3815
Li, C. 4156
Li, J. B. 4201
Li, S.-M. 2741, 3417, 3423
Li, W.-S. 343, 4160
Li, X. 1710
Li, Y. 283
Lidert, Z. 1131
Lieberei, R. 2135
Liebermann, B. 1815
Liem, J. 3923
Lien, N. T. 3995
Lim, M.-S. 3141
Lin Zhongwen
Lin, C.-N. 1669, 3103
Lin, L.-Z. 679, 1311
Lin, M. 4201
Lin, X. 4019
Lin, Z. 603
Lin, Z.-W. 3815
Linares, E. 1716, 3822
Lins, A. P. 3144
Lisch, D. 1307
Lischewski, M. 4184
Liso, R. 1397
Liu Ji-Kai 3437
Liu Jinhan 3494
Liu Zimin 3745
Liu, K. 1303, 1734, 3107
Liu, Y.-L. 947
Liyanage, C. 1709
Lobo, A. M. 3818
Lock de Ugaz, O. 1635
Logani, M. K. 2415
Lontsi, D. 1621, 2361
Lopez, S. 1175
Lotter, H. 255
Lou, S.-Q. 3842
Louis, V. 2519
Lourenço, A. 613, 3693
Lu, C.-M. 3103
Lu, T. S. 2387
Lucas, J. A. 1489
Luis, J. G. 1137, 1269, 3462, 4067
Lundell, T. K. 2869
Luo, Y. 1095
Lusby, W. R. 2301
Lusini, P. 109
Lusso, P. 3467
Lwande, W. 3929
Lynch, S. P. 3935

Ma, W.-G. 3401
Ma, Z. 1657
Mabry, T. J. 553, 1133
Macedo de Abreu, P. 3818
Macek, T. 3261
Machado, M. I. L. 1020, 1225
Machida, K. 2013
Mackenzie, A. 3971
Mackinlay, E. E. 1781
Maclachlan, G. 3203
MacLeod, G. 883
MacPherson, E. J. 113
Macura, S. 3464
Madhusudana Rao, J. 2075
Maeda, H. 2365, 2659
Maeda, M. 201, 3611
Maffei, M. 2285
Magalhaes, A. C. 3913
Magee, T. V. 845
Maggiali, C. A. 2821
Mahajan, V. P. 2329
Mahato, S. B. 1357, 3389, 3999
Mahmood, C. 2399
Mahuteau, J. 3488
Maillot-Vernier, P. 2547
Maiti, D. C. 971
Maitland, D. J. 333
Majak, W. 127
Majumder, P. L. 321, 971, 2092, 2432, 3429, 3812
Malakov, P. Y. 4083
Malan, E. 2737
Malaviya, N. 2798
Maldonado, E. 3357
Malek, L. 2487
Malik, A. 1331, 2800
Malik, S. 356
Mallavadhani, U. V. 3041
Mallavarapu, G. R. 362
Mallik, A. K. 3834
Mallik, U. K. 3834
Mancha, M. 2127
Manchard, P. 1801
Mancheno, B. 1977
Mandal, S. 2094
Mander, L. N. 3247
Manetas, Y. 411
Marco, J. A. 2325, 2403, 2788, 3339, 3653, 3661, 4167

Marcos, I. S. 3471
Mareck, U. 3486
Marin, P. D. 2979
Marlier, M. 2339
Marner, F.-J. 3709
Marques, M. R. 1431
Marschall-Weyerstahl, H. 3349
Marsh, D. C. 2237
Marshall, D. S. 941
Marsman, J. W. 3601
Marston, A. 1745
Martelli, P. 109
Marthandamurthi, M. 359
Martin, M. T. 1621, 2361, 2383
Martin, R. A. 3935
Martinez Perez, J. A. 1352
Maruyama, H. 2559
Marzouk, M. S. A. 3763
Masada, M. 89
Mase, I. 2791
Mashimbye, M. J. 3490
Massardo, F. 3281
Massiot, G. 1221, 2083, 2357, 3449, 3995, 4184
Masterova, I. 713
Masuda, T. 2391, 3227
Mata, R. 3822
Matano, H. 2593
Mathela, C. S. 2329
Matheson, N. K. 1079
Matlin, S. A. 2655
Matos, F. J. A. 1020, 1225
Matos, M. E. O. 1020
Matsui, K. 193, 1499, 2109
Matsunaga, S. 293, 1983, 4093
Matsuo, A. 2305
Matsushita, H. 2025
Matsuura, N. 3095
Matsuura, Y. 3819
Matsuzaki, S. 3319
Mattiasson, B. 4005
Matzenbacher, N. I. 789
Mauriello, G. 1121
May, J. 3005
Mayer, K. 2445
Mazzafera, P. 2309, 3913
McCabe, P. H. 2607
McCann, P. P. 99, 105
McChesney, J. D. 343
McDiarmid, R. E. 127
McDonald, R. E. 3215
McLaughlin, S. P. 2175
McMeekin, T. A. 3209
Mcphail, A. T. 1018
Mcphail, D. R. 1018
Medeiros, J. M. R. de 1131
Medina, J. D. 3474
Mehta, S. L. 1061
Meier, B. 987
Meijden, E. van der 2947, 3571
Meng, J. 1763
Mengi, N. 2329
Menichini, F. 3657
Mericli, A. H. 4195
Mericli, F. 4195
Messana, I. 708
Mestres, T. 3361
Metwally, M. A. 3461
Metzger, P. 185, 1439
Meza-Basso, L. 763
Miao Zhenchun 3494
Michon, V. M. F. 329
Midzuta, Y. 633
Miernyk, J. A. 2865
Miersch, O. 4049
Miguel del Corral, J. M. 695, 3483
Milat, M.-L. 2171
Milborrow, B. V. 1483, 3189, 4041
Miles, D. H. 1131
Milicua, J. C. G. 1535
Milinkovic, D. 3464
Milosavljevic, S. 3464
Mima, Y. 3433
Mimaki, Y. 315, 937, 1475, 3063, 3721
Mimouni, B. 3511
Min Zhi-da 1963, 4175
Min, Z. 3699
Mirajkar, A. M. 2399
Miranda, C. 589
Mirecki, R. M. 2101
Mishima, M. 645, 649
Mishra, S. 833
Misra, G. 2087
Misra, L. N. 549, 691
Misra, T. N. 541, 2076, 3799
Mitcham, E. J. 1777
Mitchell, R. E. 1809, 3917
Mitra, S. K. 1701
Mitscher, L. A. 3569
Mitsuhashi, H. 965, 975, 1543, 1639, 1997, 2061, 3013, 3327, 4053
Mitsunaga, K. 933
Mitsunaga, T. 1425
Miyahara, K. 957
Miyake, M. 2365, 2659, 3803
Miyase, T. 655, 1710, 1727, 2015, 2025
Miyatake, H. 1843
Mizuno, M. 1732, 2765, 2817, 3091, 3095, 3153, 3699, 3773
Mizutani, H. 3828
Mizutani, J. 157, 645, 649, 1683, 2197, 2769, 3729, 3837
Mizutani, K. 2699
Mizutani, M. 2295
Mohamed, M. H. 3111
Mohammad, F. V. 4206
Mokhtari-Rejali, N. 789
Molina Torres, J. 1107
Molinaro, A. 2422
Moller, I. 1405
Monacelli, B. 1849
Monaco, P. 2420, 2422
Monde, K. 2915, 3921
Monte Negreiros, A. N. M. 2829
Monties, B. 659, 775
Moore, R. E. 3615
Morace, G. 708
Morais, R. M. S. C. 1013
Moreira, R. 2619
Morelli, I. 3830
Mori, K. 351
Moriguchi, T. 95
Morikawa, A. 2425
Morisaki, N. 991
Morita, H. 3713, 4071
Morita, M. 1543, 3327, 4053
Morita, N. 3617
Moriyama, M. 2769
Morota, T. 1639, 1997
Morrison, I. M. 2007
Morton, T. C. 2397
Motevalli, M. 3635
Motidome, M. 4071, 4121
Motl, O. 4163
Mougin, C. 733
Moulin, A. 1069
Moulis, C. 3840

Mouncherou, S. M. 2809
Moutounet, M. 1259
Mrlina, G. 733
Mroue, M. 1741
Msonthi, J. D. 3625
Mues, R. 3643
Mukherjee, B. 1701, 2447
Mukherjee, K. S. 1036
Mukhopadhyay, G. 1701, 2447
Mukhopadhyay, S. 4087
Mulla, G. M. M. 2399
Muller, E. 769
Muller, E. P. 305
Munesada, K. 4158
Mungai, G. M. 575, 899, 2653, 3297, 3808
Mungai, M. G. 2807, 4025
Munjal, S. V. 1061
Munoz, R. 3185
Murakami, K. 633, 1539, 1561, 1993, 2321, 3027, 4117
Murakoshi, I. 991, 3111, 3793
Murdock, L. L. 785, 4565
Murelli, C. 461
Murofushi, N. 3247
Murphy, D. L. 397
Muzaffar, A. 1285
Myers, D. K. 1079
Myint, S. H. 3335

Naaranlahti, T. 1451
Nabeta, K. 3591
Nadinic, E. L. 2757
Nagai, M. 3077
Nagakura, N. 1191, 3117
Nagao, T. 1737
Nagashima, F. 215, 849
Nagata, S. 3152, 3639
Nagumo, T. 535
Nahrstedt, A. 981
Naidu, B. P. 407
Naik, M. S. 1061
Naik, R. M. 1061
Nair, M. G. 2193
Nakagawa, C. 215
Nakagawa, Y. 2699
Nakahara, K. 3591
Nakai, A. 1425
Nakai, S. 2223
Nakajima, H. 2563
Nakajima, K. 1539, 3327, 4053
Nakajima, S. 2096
Nakamura, M. 829
Nakano, K. 633, 1539, 1561, 1567, 1993, 2321, 3027, 4117
Nakano, Y. 2013
Nakata, T. 3885
Nakatani, M. 1034
Nakatani, N. 2391, 3227, 3647
Nakayama, M. 3819
Nakazawa, M. 1401
Nalaskowska, M. 1749
Nanao Hayashi 3797
Nandy, A. K. 1357
Naoshima, Y. 3595
Narahara, H. 1499
Nasini, G. 2729
Nasir, A. M. 3164
Nasir, H. 1001
Natori, S. 2080
Nawwar, M. A. M. 3763
Ndiege, I. O. 3929
Negrel, J. 1089, 2519
Negrete, R. 2165
Nelofar, A. 1701
Nerdal, W. 4137
Neri, P. 1921
Nessler, C. L. 3245
Netting, A. G. 1483
Neveu, A. 1419
Ng, T. J 1777
Ngadjui, B. T. 2809
Ngalamulume, T. 3069
Ni, C.-Z. 679, 1311
Nicholas, D. D. 2939
Nichols, P. D. 3209
Nielsen, P. H. 3049
Niemann, G. J. 3923
Niemeyer, H. M. 693, 893, 1211, 1531, 1597, 2078, 2407, 2691, 3669, 3683
Nigam, S. K. 2087
Niitsu, M. 3319
Nikolopoulos, D. 411
Nimtz, M. 3267
Nishi, A. 1823
Nishimura, H. 965, 1639, 1997
Nishimura, Y. 4029
Nishino, T. 535
Nishioka, E. 215
Nishioka, I. 1251
Nishiya, K. 2410
Nishizawa, M. 4105
Nisperos-Carriedo, M. O. 3215
Nitao, J. K. 2193
Niu, F.-D. 3815
Niyaz, N. M. M. 1231
Noda Llerena, L. T. 1352
Noda, N. 957
Noguchi, H. 829, 1561, 3138
Nohara, T. 3703
Noma, Y. 1147, 2969, 3981
Nomura, T. 1245
Nonaka, G. 1251
Noorwala, M. 4206
Norman, H. A. 2101, 2217
Norton, R. A. 2611, 2615
Nozaki, H. 3819
Nozawa, K. 2096
Numata, A. 675
Nunn, P. B. 3635
Nurit, F. 3553
Nyberg, H. 2529

O'Brien, I. G. 3545
O'Brien, P. 3635
O'Neill, M. A. 3903
Oberti, J. C. 1239
Ochi, S. 1805
Ochir, G. 4163
Odoardi, M. 1455
Ogawa, S. 219, 235
Ogihara, K. 4158
Ogilvie, K. K. 1113
Ogino, T. 1997
Ogutveren, M. 253, 717
Ohashi, T. 4117
Ohassan, A. 329
Ohishi, H. 4143
Ohkawa, Y. 2015
Ohmiya, S. 3793
Ohmoto, T. 933, 3353, 4099
Ohnishi, J. 1425
Ohnishi, K. 2593
Ohnishi, M. 1165
Ohsaki, A. 4075
Ohtani, K. 2699
Ohyama, M. 3153

Okabe, H. 1737
Okada, M. 975, 2061
Okajima, Y. 2969
Okamura, K. 3617
Okonogi, S. 991
Okubo, T. 4057
Okuda, T. 501, 663, 2747
Okuyama, E. 1507
Okuyama, H. 3591
Okuyama, T. 1539, 2321
Olafsdottir, E. S. 867
Oliveira, F. S. 1225
Olsen, C. E. 1405
Oltra, J. E. 1551, 2259
Olugbade, T. A. 698
Omar, A. A. 275, 1603
Omar, S. 2430
Orihara, Y. 1843, 3989
Ormeno-Nunez, J. 2199
Orsini, F. 4111
Ortega, A. 599, 3357
Osborne, D. J. 1073
Oshima, Y. 2777
Osman, S. F. 3161
Othuru, O. 201
Otsuka, H. 1917, 4045
Oyama, N. 3247
Ozaki, Y. 2365, 2659, 3803
Ozen, H. C. 3467
Oztunc, A. 255

Padiglia, A. 3895
Padmawinata, K. 3749
Padolina, W. G. 3227
Pahlich, E. 1093
Pais, M. 3164
Pal, B. C. 4177
Pal, R. 2798
Paleg, L. G. 407
Palermo, J. A. 1239, 2983
Paliyath, G. 63
Pan Lutai 1721
Pan, D.-J. 1018
Panda, A. K. 833
Panda, S. K. 3053
Pandey, H. S. 541, 2076, 3799
Pant, G. 2419
Papanov, G. Y. 4083
Pare, P. W. 1133
Parker, C. W. 2477
Parr, A. J. 2607
Parrilli, M. 1121
Parrish, C. C. 113
Parry, A. D. 815
Parsons, I. C. 1221
Parveen, M. 361
Parveen, N. 2415
Parveen, S. 1015
Parveen, T. 368
Pascoe, K. O. 1801
Pasqua, G. 1849
Patama, T. T. 3305
Patel, A. V. 1339
Patra, A. 2447, 3053
Patrick, G. L. 3247
Patterson, G. M. L. 3615
Patterson, G. W. 523, 2301
Paynot, M. 1089
Pearce, R. B. 2183
Pechenkina-Shubina, E. E. 2279
Pedro, J. R. 1030, 2331
Pelaez, C. 153
Pelizzoni, F. 4111
Pellmyr, O. 3221
Peltenburg-Looman, A. 3951
Pelter, A. 121
Peng, S. 329, 775
Pepalla, S. B. 2427, 3741, 4193
Perales, A. 275
Pereda-Miranda, R. 3822
Perez de Paz, J. G. 4189
Perez, A.-L. 905, 2417
Perez, B. 2331
Perez, C. 2619
Perez, F. J. 2199
Perez, G. 2619
Perveen, S. 1001, 1285
Pervin, A. 1001, 1285, 2393
Peter-Katalinic, J. 3717
Petereit, F. 981
Peters, K. 1691
Petersen, M. S. 2877
Pethtel, K. D. 1273
Petkovic, B. 2979
Peumans, W. J. 509
Pezzuto, J. M. 2685, 3749
Philippe, I. 471
Phillipson, J. D. 2033
Piaggesi, A. 1789
Piatti, T. 2151
Picciarelli, P. 1789
Picot, F. 3168
Pieters, L. A. 337, 997, 1024, 1129, 4129
Pieters, L. A. C. 545, 2373
Pillai, P. 2217
Pinto, A. C. 3136
Piovano, M. 589, 1719, 3365
Piozzi, F. 275, 613, 1603, 2339, 3693, 4079
Pizza, C. 1635, 2440, 3830
Pizzolatti, M. G. 3136
Plasun, M. 1629
Plat, M. 3488
Plattner, R. D. 4147
Poling, S. M. 4198
Pollet, B. 659
Pomeroy, M. K. 3533
Popov, S. 1317
Pordesimo, E. O. 3935
Porter, L. J. 1657
Porzel, A. 710, 1909, 1299, 4184
Posthumus, M. A. 1459
Potterat, O. 889
Poulsen, C. 377, 2873
Powell, P. G. 2623
Prabhakar, S. 3818
Prado, F. E. 419
Prakash, C. V. S. 3041
Prakash, K. 297
Prasad, C. 2076
Prasad, R. B. N. 769
Prasado Rao, N. V. S. A. V. 1183
Preiss, A. 3995
Pressey, R. 1753
Previtera, L. 2420, 2422
Price, K. R. 4177
Price, N. T. 2835, 2841, 2845
Pritschow, P. 893
Proksch, P. 3267
Przhemenetskaya, V. F. 207
Przykorska, A. 1749
Puhlmann, J. 1141
Pundir, C. S. 1065
Pureb, O. 1317
Pureveen, J. B. M. 3923
Purohit, M. C. 2419
Pushpangadan, P. 871

Qiao, Y. 637
Qin Hailin 3931
Quero, A.-M. 3335
Quetin-Leclercq, J. 1697
Quijano, L. 1947, 3293, 3832
Quinones, W. 153
Quirion, J. C. 2029
Quirke, J. M. E. 4196

Rabesa, Z. 1665
Racioppi, R. 1121
Rademacher, W. 2513
Radin, D. N. 2611, 2615
Radwan, S. S. 117
Raha, P. 3812
Rahman, M. M. A. 1489
Rajagopal, R. 1405
Rajasekhara Rao, J. 715
Rakotomalala, J.-J. R. 4039
Ramamoorthy, T. P. 2335
Ramesar, N. 3490
Ramm, K. 1815
Ranatunge, T. 1740
Randazzo, G. 131, 137
Rani, K. 485, 2573
Ranjekar, P. K. 3889
Rao, S. R. 431
Rasamoelisendra, R. 1665
Rasheed, T. 1350
Rashid, M. A. 4033
Rasool, N. 1331, 2800
Raulais, D. 1273
Ravanel, P. 733, 3553
Rawat, M. S. M. 2419
Ray, A. B. 2435
Ray, A. K. 1701
Raymond, J. 2849
Read, J. 4005
Rees, T. ap 3856
Reeves, R. D. 2141
Reid, M. S. 2555
Reina, M. 2677
Renard, M. 1873
Renaud, J.-M. 471
Rennenberg, H. 1415
Renteria, E. 153
Reuscher, H. 1307
Reutrakul, V. 2685
Reyes, F. 641
Rezanka, T. 4015
Reznicek, G. 1629
Ribar, B. J. 1724
Ribeiro, J. 2671
Ricci, D. 2821
Ricci, P. 2171
Richard, B. 3785
Richardson, M. 2619, 2829
Rico, R. 3315
Riedell, W. E. 2865
Riesen, J. B. 801
Rife, J. P. 2397
Rigaud, J. 1259
Rink, E. 1109
Rio, F. del 1915
Rios, M. Y. 3129
Rios, T. 1947, 3293, 3832
Ripperger, H. 1299
Riva, S. 3505
Rivera, A. 1137, 1269, 3462
Roberts, M. F. 2033
Robertson, G. W. 2007
Robin, J. M. 3511
Robinson, H. 1579
Roblot, F. 2721
Rochd, M. 1819
Roder, E. 1303
Rodgers, M. W. 397
Rodrigues, A. M. G. D. 3157
Rodriguez de Lera, A. 2781
Rodríguez, B. 275, 613, 1603, 2339, 3693, 4079
Rodriguez, E. 2611, 2615
Rodriguez, H. A. 3753
Rodriguez, I. 641
Rodríguez, M. C. 4083
Rodríguez, M. L. 589, 4067
Rodríguez, V. 3822
Rodriguez-Hahn, L. 2335, 3941
Roeder, E. 1703, 1734, 3107
Rogalski, J. 2869
Rogers, L. J. 723, 745, 2835, 2841, 2845, 3515
Roitman, J. N. 2445
Rojo, M. A. 3185
Romeo, J. T. 2397
Romero, M. 763
Romo De Vivar, A. 2417
Ronchini, F. 2821
Roque, L. C. 3144
Roque, N. F. 1869
Rose, G. B. 2623
Rosenqvist, H. 2161
Rosenthal, G. A. 1055
Ross, J. D. 374
Rossi, P. 1837, 2899
Rossignol, M. 1391
Rouf, A. S. S. 3155
Routaboul, J.-M. 733
Routledge, W. 2607
Rovirosa, J. 2165
Roy, K. 4029
Roy, R. 3469
Roychowdhury, P. 2447
Rozentsvet, O. A. 839, 2279
Ruangrungsi, N. 3793
Rübenacker, M. 1691, 2067, 3845
Ruedi, P. 3073
Ruiz-Perez, C. 589
Rumbero-Sanchez, A. 311, 623
Russo, G. 1921
Rustaiyan, A. 1929, 2325, 2405
Rutledge, P. S. 287
Rycroft, D. S. 2393
Rzazewska, B. 627

Saadi, H. 1317
Saadou, M. 889
Saberi, M. 1929, 2405
Sabri, S. S. 2393, 3081
Sady, M. B. 3001
Saha, M. M. 3834
Sahai, M. 2435
Sahu, N. P. 3999
Said, I. M. 347
Saiki, K. 3989
Saiki, Y. 4191
Sainani, M. N. 3889
Saito, K. 991, 3111, 3793
Saito, N. 671, 2387, 3769, 3828
Sajdl, V. 2979
Sakakibara, I. 3013
Sakamura, S. 1435
Sakar, M. K. 2041
Sakoda, M. 57
Sakurai, K. 1119
Sakurai, N. 3077
Salas, M. L. 3237
Saleh, N. A. M. 1169

Salgado, L. M. 2587
Salimath, P. V. 263
Salt, T. A. 523
Sam, T. W. 3138
Samejima, K. 3319
Sampietro, A. R. 419, 423, 739
San Feliciano, A. 3134, 3483
San-Martin, A. 2165
Sanada, T. 95
Sanchez, A. A. 2335
Sanchez, H. 2695
Sanchez, J. F. 593, 641, 1551, 2259
Sanchez, L. 1915
Sanchez, M. J. 1977
Sancho, I. 3134
Sang Hong 1547
Sankaram, A. V. B. 359
Sankawa, U. 1481, 3138
Santana, J. M. H. 913
Santisuk, T. 2685
Sanz, J. F. 2325, 2403, 2788, 3339, 3653, 3661, 4167
Sapis, J.-C. 451
Saracoglu, I. 3073
Sarah, F. Y. 807
Sasaki, H. 965, 1639, 1997
Sasaki, K. 2915, 3921
Sasaki, Y. 1917, 4045
Sasaya, T. 3591
Sashida, Y. 315, 937, 1475, 3063, 3721
Satake, M. 3273
Satake, T. 4191
Sati, O. P. 1336, 4187
Sato, A. 2305
Sato, K. 1507
Sato, M. 89
Sato, T. 3353
Satoh, K, 675
Satoh, S. 1401
Satyanarayana, V. 1026
Sauerwein, M. 1153, 1449, 2275, 2977, 3277
Savona, G. 275, 613, 1603, 2339, 3693, 4079
Sawada, J. 3273
Sawhney, S. K. 51
Sawhney, V. 51
Sayago, J. E. 419
Scalbert, A. 329, 775, 3875
Scannerini, S. 2285
Schafferman, D. 841
Schaller, H. 2547, 3164
Scheffer, J. J. C. 165, 495
Schenk, S. U. 467
Schenkel, E. P. 789
Schilf, W. 871
Schindler, C. 1909
Schmidt, J. 364, 1909, 3995
Schmidt, K. 823
Schmitt, A. 3569
Schmitz, F. J. 3935
Schneider, G. 1909, 4049
Schnering, H. G. von 1691
Schopke, T. 627
Schraudolf, H. 3247
Schripsema, J. 3951
Schroder, M. 3349
Schultz, G. 2203
Schultz, T. P. 2939
Schupp, R. 1415
Schuster, A. 1329, 2785
Scott, A. I. 2269
Scriber, J. M. 2193
Scurria, R. 1849
Seabra, R. M. 1344
Seeger, J. W. Jr 3585
Seeger, T. 1653
Seeligmann, P. 4037
Segre, A. L. 137
Seiber, J. N. 3001
Seif El Din, A. A. 3445
Seifert, K. 3995
Seigler, D. S. 867, 3229
Seki, T. 1917, 4045
Sekiguchi, M. 3611
Sekine, T. 991
Seldes, A. M. 1239, 2983
Seligmann, O. 3087
Selmar, D. 2135
Sembdner, G. 4049
Sen, J. 3999
Sen, R. C. 2092, 2432
Sener, B. 368, 1295
Sethi, A. 297
Seuyoshi, S. 3273
Sevenet, T. 3164, 3785
Sexmero Cuadrado, M. J. 4079
Sexmero, Ma J. 3471
Seykens, D. 2577
Shade, R. E. 785, 3565
Shah, M. G. 4206
Shah, Z. 2393, 3081
Shaikh, W. 1015
Shameel, M. 1015
Shamsi, M. A. 1989
Shang, H.-S. 354
Sharif, A. M. 2430
Sharma, N. K. 1037
Shaw, M. L. 2857
Shaw, P. E. 3215
Shen, X. 603
Sheridan, H. 3977
Sherman, T. D. 2499
Shewry, P. R. 2829
Shi, J.-G. 4156
Shi, X.-L. 917
Shibata, K. 1034, 2545, 4075
Shieh, W.-L. 1669
Shiga, M. 563
Shigihara, A. 2387
Shima, K. 3149
Shimada, K. 3411
Shimada, S. 3943
Shimazaki, N. 1475
Shimizu, S. 3255
Shimomura, K. 505, 825, 1153, 1449, 1507, 2255, 2275, 2977, 3273, 3277
Shingu, T. 675, 1191, 2796
Shinmen, Y. 3255
Shioji, T. 671
Shirata, A. 2915, 3921
Shiro, M. 1555
Shirota, O. 3713
Shrestha, T. 3285
Shukla, Y. N. 3159
Shustov, M. V. 837, 4015
Siddiqui, A. A. 1989
Siddiqui, B. S. 1615
Siddiqui, S. 1615
Siegel, U. 3643
Siems, K. 3808
Sierra-R., E. 1947
Sigstad, E. E. 1933
Silva, J. M. R. da 1259
Silva, L. B. de 1709
Silva, M. F. das G. F. da 853, 2019, 3157
Sim, K.-Y. 3141
Simantiras, M. 823
Simao, S. M. 853

Simon, A. 3099
Simone, F. D. 1635
Sinden, S. L. 3161
Singh, B. P. 3799
Singh, F. 691
Singh, J. 2761
Singh, M. P. 2415
Singh, P. 1061
Singh, R. 51
Singh, R. S. 541, 2076, 3799
Singh, Y. 921
Singhal, S. S. 1409
Sisto, A. 3505
Skerratt, J. H. 3209
Skibicki, P. 1326
Slawin, A. M. Z. 3471
Smith, A. J. 745, 2835, 2841, 2845, 3515
Smitt, U. W. 2987
Snoeijer, W. 2947, 3571
Snyder, J. K. 3497
Soda, K. 2223
Sodano, G. 1121
Solis, P. N. 3781
Sondengam, B. L. 1621, 2361, 2809
Sondengam, L. B. 619
Songstad, D. D. 3245
Sono, M. 2295
Sorbier, B. M. du 927
Sosa Rodriguez, M. E. 1352
Souleman, A. M. A. 3763, 3767, 3777
Sousa-Cavada, B. 2619
Southwell, I. A. 475
Sparapano, L. 131
Spassov, G. 371
Spassov, S. 1317
Spencer, G. F. 2623, 4147
Spencer, P. A. 2933
Spessard, G. O. 3233
Spiteller, G. 1203
Sporle, J. 3043
Spring, O. 519, 1861
Sri Ramana, K. 259, 1183
Srimannarayana, G. 1026
Srinivasa Rao, R. 715
Srivastava, L. M. 1763
Srivastava, R. 485
Srivastava, S. 301
Srivastava, S. K. 1409
St. John, J. B. 2217
Stefanovic, M. 3464
Steglich, W. 2349
Sternberg, L. 1095
Stewart, D. 2007
Sticher, O. 987, 3073, 3679
Stierle, A. 2191
Stillwell, W. 3539
Strack, D. 497, 527, 1493, 1773, 3261
Strobel, G. 2191
Strunz, G. M. 719
Stuppner, H. 305
Suau, R. 2555, 3315
Subarnas, A. 2777
Suchy, V. 713
Suemitsu, R. 2593
Suga, T. 1757, 4158
Sugama, K. 975, 1997, 2061
Sugiyama, M. 3147
Sukumar, E. 2449
Sultana, A. 1709
Sumaryono, W. 3267
Sumathykutty, M. A. 2075
Sun Handong 1721
Sun, H. 603
Sun, H.-D. 3815
Sun, R.-Q. 2707, 3480
Sung, T. V. 2349, 2717, 3717
Surico, G. 3505
Sutisna, M. 455
Suzuki, H. 1523
Suzuki, K. 2096
Suzuki, T. 2245
Swain, L. A. 4196
Swamy, N. R. 263
Swiezewska, E. 267
Swithenbank, C. 1131
Syamasundar, K. V. 362
Sykes, A. G. 2845
Szakiel, A. 3909
Szarkowski, J. W. 1749
Szponarski, W. 1391

Tabacchi, R. 471
Tabata, M. 2233, 3605
Tabet, J.-C. 2721
Tachibana, S. 1613
Tada, M. 1119, 2559
Tada, T. 3819
Tahara, S. 157, 1683, 2197, 2769, 3729, 3837
Tai, T. 2796
Takabayashi, J. 1459
Takagi, S. 2733, 2759, 3152, 3639
Takahama, U. 73
Takahashi, H. 1147, 2969, 3981, 3993
Takahashi, N. 364, 3247
Takaichi, S. 3411
Takaishi, K. 1191
Takaishi, Y. 633, 1539, 1561, 1567, 1993, 2321, 3027, 4117
Takamatsu, S. 3793
Takao, N. 2973
Takasugi, M. 2915, 3921
Takatsuki, S. 2080
Takechi, M. 2557, 3943
Takeda, K. 2271
Takeda, Y. 603, 1917, 4045
Takeya, K. 637, 2410, 3713, 4071
Takikawa, K. 235
Takruri, I. A.-H. 415
Tamai, S. 1567, 3027
Tamayo, N. 2259
Tamura, T. 2369, 3621, 4029
Tan, E.-C. 3141
Tan, K.-S. 455
Tan, R. X. 583, 1573, 1645, 1714, 1941, 3033
Tan, S. C. 3138
Tanahashi, T. 1191, 3117
Tanaka, K. 663
Tanaka, N. 2369
Tanaka, O. 2699
Tanaka, R. 293, 1983, 4093
Tanaka, T. 1251, 2765, 2817, 3091, 3095, 3153, 3699, 3773
Tanaka, Y. 2557, 3943
Taneja, S. C. 871, 2329
Taniguchi, M. 4143
Tanizawa, H. 2015
Tanker, M. 4191
Tanno, M. 3273
Tanno, N. 2369
Tatic, B. 2979
Tava, A. 1455
Taylor, D. C. 3533
Taylor, W. C. 2685
Tazaki, H. 1435
Tchivounda, H. P. 2711
Telikepalli, H. 2427, 3569, 3741, 4193

Temple-Smith, K. E. 2513
Templier, J. 175, 2209
Terahara, N. 671, 3828
Terao, T. 3273
Terradas, F. 3251
Tettamanzi, P. 1319
Teulon, J.-M. 2357
Tewari, J. P. 2825
Tey-Rulh, P. 471
Thakur, R. N. 3599
Thakur, R. S. 485, 549, 1336, 2573, 3159, 4187
Thakur, S. 4029
Thepenier, P. 3449
Thien, L. B. 3221
Thirugnanasambantham, P. 2449
Thomasen, T. 515, 1157, 3457, 4151
Thompson, J. E. 63, 2537
Thomson, R. H. 941, 2427, 3741
Thorogood, D. L. 2193
Thouvenot, D. 3963
Tillequin, F. 2809
Timon, I. 2677
Tingey, W. M. 3161
Tirillini, B. 2821
Tirilly, Y. 3963
Tiritan, E. 2655
Tissut, M. 733, 3553
Tiwari, N. K. 1409
Tobin, A. K. 376
Tojo, E. 1005, 1175
Toki, K. 671, 3769, 3828
Tokoroyama, T. 4075
Tokuda, H. 4105
Tokura, K. 1561, 1567
Tokuyama, T. 4105
Tomas, X. 2289
Tomas-Barberan, F. A. 3311
Tomas-Lorente, F. 3311
Tomimatsu, T. 633, 1539, 1561, 1567, 1993, 2321, 3027, 4117
Tomita, Y. 2791
Tommasi, F. 1397
Topcu, G. 2085, 2412
Toppet, S. 3069
Tori, M. 219, 235, 325, 849, 1523, 2927, 3037
Torre, M. C. de la 275, 613, 1603, 2339, 3693, 4079, 4083
Torres, F. 153
Torssell, K. B. G. 2753
Toscano Underwood, C. D. 2183
Toscano, A. 3357
Toscano, R. A. 2335
Toth, S. 3935
Towers, G. H. N. 1613, 2933
Toyota, H. 2109
Toyota, M. 567, 3037, 3149, 3981, 3993
Trabalzini, L. 109
Trani, F. 3021
Trejo-B. R. I. 3293
Trémolières, A. 3955
Trevisan, L. M. V. 2089
Trezzini, G. F. 1897, 1901
Trimurtulu, G. 1971
Trinity, P. M. 69
Truneh, A. 3802
Tsai, W.-Y. 1333
Tsantrizos, Y. S. 1113
Tsauri, S. 3749
Tsichritzis, F. 211, 3808
Tsoupras, G. 471
Tsujino, Y. 1435
Tsumuki, H. 2115
Tsuneya, T. 563, 3343
Tu Yongqiang 1547, 4169
Tu, Y. Q. 271
Tuchinda, P. 2685
Tukol, W. A. 2430
Turkoz, S. 368, 1295
Tuzlaci, E. 2803
Tverskoy, L. 799
Twitchin, B. 3247

Ubik, K. 713
Uchiyama, T. 655
Ud-Din Khan, N. 361
Uda, M. 4117
Udagawa, S. 2096
Udchachon, J. 2685
Ueda, A. 567, 655, 1710, 1727, 2015, 2025, 3037
Uehara, T. 3611
Uesato, S. 2223
Uhrin, D. 713
Ujita, K. 1567
Ulubelen, A. 2085, 2412, 2803, 4195
Underhill, E. W. 3533
Uneyama, K. 563, 3343
Uniyal, G. C. 1336, 4187
Upadhyay, R. 2191
Upadhyay, R. K. 691
Urones, J. G. 3471
Usmanghani, K. 655
Usubillaga, A. 3753
Utz, W. 3753

Vajna de Pava, O. 2729
Valente, L. M. M. 3136
Vallès-Xirau, J. 4167
Valpuesta, V. 2555
Van Calsteren, M. R. 3357
Van Damme, E. J. M. 509
Van Dyke, C. G. 1471
Van Gelder, W. M. J. 165
Vanden Berghe, D. A. 1129, 4129
Vandercook, C. E. 4198
Vanek, T. 3261
Vanhaelen, M. 4153
Vanhaelen-Fastré, R. 4153
Vansuyt, G. 1391
Varea, A. 1030
Vargas, D. 1861
Vasanth, S. 3053
Vaskovsky, V. E. 207
Vattuone, M. A. 419, 423, 739
Vaughn, K. C. 2499
Vazquez, P. 311, 623
Vazquez-Duhalt, R. 2919
Vazzana, C. 461
Veen, G. 1891
Veit, M. 527
Venkata Rao, D. 1971
Venkata Rao, E. 259, 1183
Venkatasubbaiah, P. 1471
Vercauteren, J. 1419
Verdoorn, G. H. 3631
Verger, R. 1069
Verma, R. K. 875
Vermes, B. 3087
Verotta, L. 4111
Verpoorte, R. 377, 2873, 2947, 3571, 3951
Versluis-De Haan, G. G. 3601
Ververidis, P. 725
Vidales, P. 905, 2417
Vieira, P. C. 2019, 3157
Vila, R. 2289
Vilegas, J. H. Y. 4200
Vilegas, W. 1869

Villarreal-Rosales, E. 185
Villaverde, M. C. 1175, 2071, 2781
Vishwakarma, R. A. 3469
Viswanathan, S. 2449
Vivar, A. R. de 905
Vladimirov, S. M. 1724
Vlietinck, A. J. 337 545, 997, 1024, 1129, 2373
Vlietinck, A. J. 4129
Vogt, P. 1691
Voirin, B. 1665
Volkman, J. K. 1855
Vonshak, A. 205
Vuilhorgne, M. 927
Vurro, M. 3945

Wagner, E. 147, 2147
Wagner, H. 255, 305, 1141, 3087
Wahidulla, S. 3323
Wahyuono, S. 2175
Waigh, R. D. 333
Wakamatsu, M. 2295
Walker, G. H. 751
Walton, N. J. 2607
Walton, T. J. 2451
Wang Changzeng 3745
Wang Chong-Shu, 4175
Wang Han-Qin 3437
Wang Hanquing 1547
Wang Maotian 3931
Wang Tianen 1721
Wang, D.-Z. 271, 3401, 3815
Wang, H. 553
Wang, K.-C. 3383
Wang, M.-L. 1052
Wang, Q.-H. 1251
Wang, S.-K. 2812
Wang, S.-X. 1710
Wang, T. L. 2249
Wang, Z. 3699
Ward, O. P. 2963
Ward, R. S. 121
Warin, R. 1697
Wassall, S. R. 3539
Wasshausen, D. C. 2785, 3810, 4025
Watanabe, M. 89
Watanabe, T. 1425
Waterman, P. G. 1221, 4033
Webb, J. C. 3215
Webby, R. F. 2443
Weimer, D. F. 3759
Welle, R. 479
Weniger, B. 2029
Werner, D. 467
Werner, G. 4011
Weselake, R. J. 3533
Weyerstahl, P. 3349
Whatley, F. R. 531, 1883, 1887, 3005
Whitaker, B. D. 757
Wichers, H. J. 3601
Wickramaratne, D. B. M. 941, 1231
Widen, C.-J. 3305
Wiemer, D. F. 1649
Wightman, F. 2007
Wikfors, G. H. 2301
Williams, D. J. 3471
Williams, H. J. 2269
Williams, L. A. D. 1801
Williamson, G. 445
Willms, W. D. 127
Willows, R. D. 1483
Wilson, G. 3977
Winkle, J. A. 4196
Winkle, S. A. 4196
Winterhalter, P. 3021
Witte, L. 527, 1493, 1891, 3261
Woldu, Y. 1281
Wolfender, J.-L. 3625
Wollenweber, E. 1044, 2307, 2445
Wong, H. N. C. 354
Wong, W.-H. 2699
Woodgate, P. D. 287
Wozniewski, T. 3579
Wray, V. 497, 527, 627, 997, 1024, 1463, 1891, 2057, 3261, 3267, 3486, 4129
Wright, A. D. 3679
Wu Bing 1963
Wu, B. 4201
Wu, C. 3699
Wu, L.-J. 1710
Wu, S.-L. 4160
Wu, T.-S. 1048, 1052
Wu, Y.-C. 2812
Wyk, B.-E. van 3631
Wyler, H. 3251

Xavier Filho, J. 2829
Xavier-Filho, J. 1431
Xiao, Y.-Q, 4143
Xie Ning 1963, 4175
Xu, M. 3699
Xu, S. 523

Ya, L. 719
Yaguchi, Y. 3077
Yamada, H. 535, 2559, 3255
Yamada, Y. 2593, 3227
Yamaguchi, A. 991
Yamaguchi, I. 1909
Yamahara, J. 1539
Yamaide, M. 3369
Yamakawa, T. 829
Yamaki, M. 2733, 2759, 3152, 3639
Yamaki, S. 95
Yamamoto, H. 1732
Yamamoto, T. 3828
Yamanaka, T. 4045
Yamane, H. 3247
Yamasaki, K. 1917, 4045
Yamasaki, Y. 2861
Yamauchi, T. 1737, 3247, 3379
Yamazaki, S. 3369
Yamazaki, T. 1507
Yang, C.-R. 701, 3401, 3703
Yang, J.-F. 2487
Yaniv, Z. 841
Yazaki, K. 501, 2233
Ye, J. H. 3168
Yeh, S. 679
Yepez P., A. M. 1635
Yesilada, E. 3405
Yi Yang-Hua, 4179
Ying, B.-P. 1467, 1951, 1967
Ying, B.-P. 3476
Yokoi, M. 2387
Yokota, T. 364, 2369, 3621
Yonekubo, J. 3591
Yonemitsu, H. 2255
Yongmanitchai, W. 2963
Yongqiang, T. 1321
Yoshida, M. 4121
Yoshida, T. 501, 663, 2747, 3885
Yoshihara, T. 1435
Yoshihira, K. 1507
Yoshimatsu, K. 505, 3273
Young, M. C. M. 2089
Yuste, A. 3661

Zagst, R. 2067
Zaman, K. 1285
Zamjansan, J. 1317
Zani, C. L. 2379
Zarga, M. H. A. 3081
Zdero, C. 575, 607, 693, 909, 1161, 1579, 1585, 1591, 1597, 2643, 2653, 2695, 2703, 2991, 3009, 3297, 3669, 3683, 3810, 4025
Zeches, M. 3785
Zektzer, A. S. 2397
Zeng, Y.-L. 3401
Zenk, M. H. 1141, 2033, 2953, 3861
Zerihun, B. M. 333
Zhang Pei 1963, 4175
Zhang, B. 1251
Zhang, C.-Z. 4156
Zhang, H. J. 271, 3815
Zhang, Z. 2345
Zhao Shou-xun 1963, 4175
Zhao Shouxun 3494
Zheng Qi-Tai, 1963, 4175
Zheng, P.-J. 917
Zheng, Q. 3699
Zheng, Q. T. 4201
Zhongjian, J. 1341
Zhou, L. 271
Zhou, Y.-L. 3168
Zhu, T.-R. 1710
Zimin, L. 1341
Zimowski, J. 1827
Zinkel, D. F. 845
Zinsmeister, H. D. 1653
Zivanov-Stakic, D. S. 1724
Zryd, J.-P. 169, 1897, 1901
Zuniga, G. E. 1793, 3281
Zur, M. 841

SUBJECT INDEX

A
Abies firma, triterpene lactones from 1983
A. marocana, di- and triterpenoids from 593
Abscisic acid,
  as promoter of phospholipid vesicle fusion 3539
  biosynthesis of, from carotenoids 815
  in saprophytic and parasitic fungi 1059
  synthesis and biological activity of allenic analogues of 3189
  synthesis of stably deuteriated samples of 1483
Acacia nilotica, (+)-catechin 5-gallates from 2737
A. raddiana, tannins and flavonol glycosides from 3767
Acanthaceae 3799
Acanthophora spicifera, dipeptides from 3323
Acaricidal monoterpenes, from *Plocamium* 2165
Acer pseudoplatanus,
  effects of pentachlorophenol in cultures of 3553
  polysaccharides from walls of cell cultures of 3903
Aceraceae 3553, 3903
Acetogenins,
  cytotoxic, from *Annona* seeds 3335
  from *Uvaria* 545, 2373
  structural elucidation of, by tandem MS 2721
Acetonaphthone, from *Ventilago* 2427
Acetophenone signal compounds, restricted occurrence of 2933
Acetophenones,
  from *Anisothrix* and *Phagnalon* 3009
  from *Rhamnus* 4191
Acetylcholinesterase-inhibiting bisindole alkaloid, from *Haplophyton* 1741
Acetylenes,
  from Astereae 2453
  from *Baccharis* 2785
  from *Centaurea* 3289
  from Heliantheae 11
  triol-, from *Cirsium*, absolute configuration of 2321
Achillea crithmifolia, sesquiterpene lactones from 3464
A. millefolium, 3-oxa-guaianolides from 4163
Achronychia pedunculata, demethylacrovestone from 1709
Achyranthes aspera, aliphatic dihydroxyketone from 2076
Aconitum alboviolaceum, diterpenoid alkaloid from 3494
Acourtia nana, isodrene sesquiterpenes from 2695
Actinidia arguta, flavonol triglycoside from 2443
Actinidiaceae 2443
Acylcyclohexanedione, inhibition of gibberellin 2β-hydroxylases by 2513
Adenocalymma alliaceum, aliphatic compounds from 541
Adenylate cyclase, in *Ricinus* roots 109
Adhatoda vasica, aliphatic hydroxyketones from 3799
Adiantum venustum, fernane triterpene from 3478
Africanone, from *Lippia*, revised structure for 1323
Agavaceae 633, 1336, 1993, 4187
Agave cantala, steroidal glycoside from 1336, 4187
Ageratum conyzoides,
  chromenes from 1137
  methoxyflavones from 1269
Agrobacterium rhizogenes, alkaloid from *Hyoscyamus* root transformed with 2977, 3277
A. tumefaciens,
  activation of *vir* gene expression by phenolic glycosides in 3549
  transgenic tobacco produced by 3245
Aizoaceae 1109
Ajuga genevensis, *neo*-clerodane diterpenoids from 4083
Ajugoideae, fatty acids from 2979
Albizia lucida, cytotoxic saponins from 4111
Algae 2963
Alginate, from *Laminaria*, block-type structure of 1707
Alibertia macrophylla, caffeic acid esters and triterpenes from 2089
Aliphatic
  alcohol, from *Piper* 2075
  compounds, from *Adenocalymma* 541
Alkaloid
  accumulation, and induction of ethylene biosynthesis in elicitor-treated cells of *Eschscholtzia* 2151
  degradation, in *Amsonia* roots 1449
  glycosides, from *Cephaelis* 3117
  N-oxides, from *Lycoris* 675
  production,
    in cell cultures of *Holarrhena* 833
    in *Hyoscyamus* hairy root cultures 3277
  synthesis,
    in *Atropa*, increase of by potassium deficiency 3559
    in *Cinchona* seedlings, control of 3571
Alkaloids,
  binary carbazole, from *Murraya* 1052
  bisbenzylisoquinoline, from *Tiliacora*, 2D-NMR of 1701
  bisindole,
    from *Borreria* 997
    from *Haplophyton* 1741
  carbazole,
    from *Clausena* 343
    from *Murraya* 1048
  β-carboline, from *Peganum* seeds 1046
  cyclopeptide, from *Zizyphus* 1348
  cytotoxic, from *Strychnos* 1697
  diterpenoid, from *Aconitum* 3494
  emetic, formation of, in *Cephaelis* root cultures 505
  from *Aristolochia* 717
  from *Guatteria* 2781
  from *Oxymitra* 1265
  from *Penianthus* 1957
  from *Sarcocapnos* 1005, 1175
  from *Virgilia* 1891
  glyco-,
    from *Solanum*, countercurrent chromatography of 685
    in hybrids between wild and cultivated potatoes 165
  growth-related dimerization of, in *Catharanthus* 1451
  heteroyohimbinoid, from *Vinca* 2447
  homoerythrina, from *Phelline* 3497
  indole,
    dimeric, from *Uncaria* 3441
    from *Amsonia* hairy roots 1153
    from *Ervatamia* 3785
    from *Kopsia* 3164
    from *Melodinus* 3168

from *Mitragyna* 347
from *Rauwolfia* 1352
from *Rhazya* 1285
from *Strychnos* 3449
from *Tabernaemontana* 1740
isoquinoline,
facile degradation procedure of 2067
from *Platycapnos* 3315
from *Sarcocapnos* 2071
isoquinolone, from *Cocculus* 1350
lupanine, angelate esters of, in *Pearsonia* 3631
lupin,
from *Leontice* 2393
from *Lupinus* seeds 3111
from *Sophora* 101, 3793
naphthylisoquinoline,
from *Ancistrocladus*, atrop-diastereomer separation of 1307
from *Triphyophyllum* 1691, 3845
oxindole, from *Gelsemium* 679, 1311
piperidone, from transformed *Hyoscyamus* roots 2977
pseudooxindole, from *Melochia* 3159
pyridine, from *Ceropegia* 2449
pyrrolizidine,
from *Echium* 3107
from *Heliotropium* 1703
from *Parsonsia* 1737
from *Senecio* 1303, 1734
quinoline, from *Polyporus* 371
quinolizidine,
biosynthesis of, in *Lupinus* 1833
enzymatic synthesis of phenylpropanoic acid esters of in *Lupinus* 1493
sesquiterpene,
from *Celastrus* 3437
from *Tripterygium* 719
steroidal,
from *Buxus* leaves 1295
from *Solanum* 1299, 1339, 3161
from *Veratrum* 368
tropane,
biosynthesis of, in *Datura* 2607
in root cultures of Solanaceae 2275
synthesis of, in *Atropa* 3559
variation of, within *Duboisia* 2667
Alkanes, in leaves of frost-tolerant and -susceptible willows 2161
n-Alkatrienes, biosynthesis of in *Botryococcus* 2209
Alkoxybenzenes, enzyme-catalysed oxidation of 121
Allelopathic effect, of wild oat exudates on spring wheat 2199
Alliaceae 509, 2857, 3063
mannose-binding lectins from 509
Allium, steroidal saponins from 3063
A. cepa,
flavonol 4′-*O*-glucosyltransferase from 1767
metabolism of γ-glutamyl peptides in bulbs of 2857
phytoalexins from 799
Alluaudia dumosa, dihydrostilbenoflavonoids from 1665
Alternaria alternata, *N*-methylation in the biosynthesis of phytotoxin from 1815
A. brassicae,
HPLC purification of destruxins produced by 2311
plant growth factors from 2825
A. porri, biosynthesis of alterporriols D and E by 2593
Amanita muscaria,
DOPA 4,5-dioxygenase from 169
secodopas from caps of 3251
Amaranthaceae 523, 1109, 2076
sterols from 523
Amaryllidaceae 509, 675, 3127, 3445
mannose-binding lectins from 509
Amides, from *Asarum* 3797
Amidic phenanthridone glycoside, cytotoxic, from *Pancratium* 3445
Amine oxidases, from Leguminosae seedlings 3895
Amino acid
decarboxylases, in pea seedlings, inhibition of 99
sequences,
in seed lectins of *Dioclea* and *Canavalia* 2619
of ferredoxin, from *Hordeum* 415
of trypsin inhibitors, from *Prosopsis* 2829
Amino acids,
accumulation of, in cold-stressed wheat seedlings 407
non-protein,
deleterious effects of 1055
from *Inga* 2397
neurotoxic, crystal structures of 3635
Amsonia elliptica,
degradation of 17α-*O*-methylyohimbine in roots of 1449
indole alkaloids in hairy roots of 1153
α-Amyrins, from *Corchorus* 1989
Amyris texana, chromene amides from 2677
Anacardiaceae 1129, 1431, 2415, 3709
Anacardium occidentale, enzymatic and inhibitory activities of tree gum exudate of 1431
Ancistrocladaceae 1307
Ancistrocladus abbreviatus, atrop-diastereomer separation of alkaloids from 1307
Androyol, from *Alluaudia* 1665
Anemia phyllitidis,
biosynthesis of antheridic acid in 3247
6,7-stereoisomers of cucurbic acid from spores of 1909
Angelica gigas, coumarins from 710
Anisothrix integra, leysserals from 3009
Annona muricata, cytotoxic acetogenin from 3335
Annonaceae 545, 1265, 1869, 2373, 2430, 2685, 2721, 2781, 3335
Anthemis cupaniana, germacranolides from 3458
A. hydruntina, guaianolides from 3657
Antheridic acid, biosynthesis of, in *Anemia* 3247
Anthocyanidin
3-acetylglucoside, from *Verbena* flowers 3828
3-glucuronylglucosides, from red *Bellis* flowers 3769
synthesis, induction of in *Centaurea* cell cultures 2271
Anthocyanins,
acetylated, from *Verbena* flowers 671
acylated,
from *Petunia* 1729
from *Pharbitis* 2387
estimate of self-association constants of 2049
from *Sambucus* fruits 4137
Anthracenone pigment, dimeric, from *Dermocybe* 951
Anthranilate synthase, role of, in plants 377
Anthraquinone
biosynthesis, isolation of intermediate of, from *Galium* cultures 823
diglycosides, from *Rubia* roots 947
glycosides, from *Rhamnus* 3103
production, by transformed root cultures of *Rubia* 1507
Anthraquinones,
from *Cassia* 708, 1849
from *Haematomma* 706
from *Rubia* 637
geranyl, from *Ploiarium* bark 3141
Antiallergic phloroglucinols, from *Hypericum* 2559
Anticoagulant fucoidan, from *Ecklonia* 535
Antifungal
activity, of dioscin and dioscinin 3943
antibiotics, from *Pisolithus* 1113
dihydrochalcone, from *Psidium* 1131
diterpenoids, from *Scutellaria* 1125
norditerpene dilactone, from *Podocarpus* 1467
Anti-infective *o*-catechols, from *Guardiola* 2175

Antimicrobial
benzodioxane, from *Cercidiphyllum* 1119
phenylpropanoids, from *Piper* 3227
phenylpropenoid, from *Psoralea* 3569
properties, of tannins 3875
tetrastilbene, from *Carex* 645
Antithrombin-active polysaccharides, from *Monostroma* 3611
Antitumour tetracyclic triterpenes, from *Ganoderma* 4105
Antiviral ellagitannins, from *Spondias* 1129
Aphanothece halophytica, *C*-phycocyanin from 3515
Aphids,
effect of environment on gramine content in barley and susceptibility to 3237
effects of NaCl in cereal seedlings on 1793
Apocynaceae 833, 1153, 1239, 1285, 1352, 1449, 1451, 1503, 1737, 1740, 1741, 2223, 2447, 3164, 3168, 3785, 3951
Applanoxidic acids A–D, from *Ganoderma* 4105
Aquifoliaceae 3497
Aquilaria agallocha, sesquiterpenes from 563, 3343
Arabidopsis thaliana, lipid desaturation by chloroplast homogenates from 2217
Arabinans, from *Cajanus* cotyledons 263
Araceae 2420, 2422, 4053
Arachidonic acid,
in *Gracilaria* 207
production of by *Marchantia* cell cultures 3255
Araliaceae 2349, 2419, 2717, 3327, 3717, 4151
Arbutin, in the leaves of a resurrection plant 2555
Aristeguetia, diterpenes and norditerpenes from 2991
Aristolochia auricularia, aristolochic acids and aristolactams from 253
A. ponticum, alkaloids and lignan from 717
Aristolochiaceae 253, 717, 3797
Aristolochic acids, from *Aristolochia* 253
Arnica montana, immunologically active polysaccharides from cell cultures of 1141
Aromatic
aldehydes, biotransformation of, by *Euglena* 2969
ketones, biotransformation of, with carrot, tobacco and *Gardenia* cultures 3595
Aromatics,
from *Delphinium* 4195
from East Malaysian liverworts 4019
from Ecuadorian liverworts 215
non-phenolic, enzyme-catalysed oxidation of 121
Arteannuin
B, high field NMR spectroscopic studies of 3469
C, structure reappraisal of 3469
Artemisia annua, NMR studies of sesquiterpenes from 3469
A. barrelieri, sesquiterpene lactones from 3661
A. crithmifolia, cadinane sesquiterpene from 4167
A. cf. *dolosa*, prenylated coumaric acids from 1645
A. laciniata, functionalized silphiper folenes from 3349
A. ludoviciana, sesquiterpene lactones from 1573
A. pallens, fragrant components of oil from 549
A. rutifolia, sesquiterpene lactones from 1714, 3033
A. santolinifolia, *seco*- and *nor*-sesquiterpene lactones from 1941
A. schimperi, *nor*-monoterpene from 1011
A. vulgaris, eudesmane acids from 2403
A. xerophytica, sesquiterpene lactones and monoterpenes from 583
Artocarpus communis, prenylflavonoids and pyranodihydrobenzoxanthone from 1669
Arylalkylketone, in cell suspension culture of hop 495
Arylketone dimer, from *Achronychia* 1709
Arylnaphthalene lignanamide, from *Cannabis* fruits 3013
Asarum chingchengense, amides from 3797
Asclepiadaceae 297, 301, 1069, 1331, 1625, 2449, 2577, 3001, 3935, 3941
Asclepias,
cardenolides from 3935
presence and absence of cardenolides in species of 3001
A. curassavica, cardenolide biosynthesis from acetate in 2577
A. linaria, cardenolide content of 3941
Ascochyta cypericola, phytotoxin produced by 2191
Ascomycetes 1463
Ascorbic acid, utilization of by prolyl hydroxylase 1397
Aspergillus, biotransformation of monoterpenoids by 3981
A. niger,
biotransformation of germacrane sesquiterpenoids by 3993
biotransformation of grindelic acid by 1847
Asplenium adiantum-nigrum, xanthone 2,4-di-*C*-glycoside from 3839
A. antiquum, mearnsetin 3,7-dirhamnoside from 2817
Astereae, acetylenes from 2453
Astragalus mongholicus, isoflavans and pterocarpan from 2777
Athanasia, chemotaxonomy of 1161
Atropa acuminata, increase of tropane alkaloid synthesis by potassium deficiency in 3559
Aurone phytoalexin, induced in *Cephalocereus* cultures 1133
Austrovenetin, from *Dermocybe* 951
Auxin
activity, of diazinecarboxylic acids 2821
effects, on H^+ accumulation by plasma membrane H^+-ATPase 1391
Avena fatua, allelopathic effect on spring wheat of root exudates from 2199
A. sativa, polyamide levels and senescence in 105
Azadirachta indica, terpenoids from fruit coatings of 1615

B
Baccharis,
dimeric sesquiterpene from 1597
trichothecene mycotoxins from 789
B. lejia, diterpenoids from 1607
B. pedunculata, acetylenes and labdanes from 2785
Bacillariophyceae, sterols from 2301
Bacteria 205, 825, 1153, 1507, 1809, 2255, 2977, 3245, 3277, 3411, 3505, 3549, 3917
Barringtonia acutangula, triterpenoid glucoside from 4177
Bartramia pomiformis, macrocyclic biflavonoid from 1653
Basidiomycetes 371, 951, 1113, 1326, 1555
Bazzania japonica, sesquiterpenoids from 3037
Beauveria bassiana, transformation of parthenin by 3599
Belamcanda chinensis, iridals from 3379
Bellis perennis,
acylated saponins from 627
cyanidin 3-glucuronylglucosides from 3769
Benzisochromanquinones, from *Ventilago* 3741
Benzofuranosesquiterpenes, from *Ligularia* 3132
Benzofurans, in glandular trichomes of *Pappobolus* 1861
Benzoic acid, long-chain substituted, from *Grammitis* 2307
Benzophenones, prenylated, from *Clusia* 2003
Benzoquinone, from *Psoralea* 2800
Benzyladenine ribosylglucoside, in *Gerbera* 387
Berberidaceae 1489, 1727, 2025, 2393, 2765
Berberine production, by *Thalictrum* cultures, role of ethylene in 3605
Beta vulgaris,
changes in lipid composition in calli of 491

ferulic acid conjugates from cultures of 3261
α-glucosidase, from suspension cultured cells of 2861
Betacyanins, from *Beta* cell cultures 3261
Betaines, from latex of South American Moraceae 3285
Betalain biogenesis, in *Amanita* 169
Betalains, from *Portulaca* 1897
Betaxanthins,
from Centrospermae, effect of DOPA feeding on 1109
natural and semi-synthetic, characterization of 1901
Betulinic acid glycoside, from *Schefflera* 2419
Bianthraquinones, biosynthesis of, in *Alternaria* 2593
Bianthrones, from *in vitro* cultures of *Cassia* 1849
Bibenzyl
glycosides, from *Epimedium* 1727
synthase, induced formation of, upon destruction of orchid mycorrhiza 457
Bibenzyls,
from *Cirrhopetalum* 321
fungicidal activities of 2939
prenyl-, from *Radula* 219, 235
Biflavonoid, macrocyclic, from *Bartramia* 1653
Bifurcaria bifurcata, eleganolone derived diterpenes from 3049
Bignoniaceae 541, 2379, 4057
Bioactive neolignans, from *Magnolia* leaves 2193
Bioactivity, in plants, screening of 3864
Biodegradation, of the indole system of gramine in *Hordeum* 779
Biological activity, of *N*-hydroxytryptophan 1405
Biosynthesis
of abscisic acid, in *Phaseolus* 811
of alkadienes, *cis*- and *trans*-, in *Botryococcus* 175
of alkaloid-cinnamic acid esters, in *Lupinus* 1493
of alkaloids,
benzylisoquinoline, in *Eschscholtzia* 2953
in *Datura* 801
in *Lupinus* 1833
indole, in *Tabernaemontana* 3951
tropane, in *Datura* 2607
of *n*-alkatrienes, in *Botryococcus* 2209
of antheridic acid, in *Anemia* 3247
of anthraquinones, in *Galium* 823
of aromatic amino acids, in barley chloroplasts 2203
of betalains, in *Amanita* 169
of bianthraquinones, in *Alternaria* 2593
of cadalene stress compounds, in cotton 197
of caffeine, in tea leaves, seasonal variation of 2245
of cardenolides from acetate, in *Asclepias* 2577
of carotenoids, in *Phycomyces* 2587
of clerodane furano-diterpene lactones, in *Tinospora* 2573
of fatty acids and aldehydes, in *Botryococcus* 185
of fatty acids, very long-chain, in *Limnanthes* 3955
of gibberellins, inhibition of by 19-norgibberell-16-enes 2227
of glucomannan, in *Lilium* bulbs 3579
of hexadecanoic acids, in *Ulva* and *Porphyra* 193
of *p*-hydroxybenzoic acid, in *Lithospermum* cell free extract 2233
of isoflavonoid phytoalexins,
in *Medicago* 2597
in soybean 479
of lignans,
in *Larix* callus 3591
in *Podophyllum* 1489
of limonoid glucosides, in navel orange 1487
of 6-methoxymellein, in carrot 1823
of mintlactone and isomintlactone, in *Mentha* 485
of neurotoxin, in *Lathyrus* callus tissue 3241
of phylloquinone, in *Euglena* 3585
of rhizobitoxine, in *Pseudomonas* 1809
of saponins, in *Gypsophila* 1819
of solanidine, in potato 1827
of sterols, in *Phaseolus* 811
of (*S*)-stylopine, in *Eschscholtzia* 2953
of tentoxin, in *Alternaria* 1815
of trichothecene mycotoxins, in *Fusarium* 2237
Biotransformation
of aromatic aldehydes, by *Euglena* 2969
of aromatic ketones, by cell cultures of *Daucus*, *Nicotiana* and *Gardenia* 3595
of digitoxigenin, by *Strophanthus* cultures 1503
of diterpene from *Stemodia*, by microorganisms 2265
of germacranes, by *Aspergillus* 3993
of gibberellin 20 → 19-lactone, by *Gibberella* 3967
of grindelic acid, by *Aspergillus* 1847
of *ent*-kaurenes, by *Gibberella* 807, 2567
of (+)-menthol to its triglucoside, by *Eucalyptus* 1843
of monoterpenoids, by *Aspergillus* 3981
of parthenin, by *Beauveria* and *Sporotrichum* 3599
of *Podophyllum* lignans,
by *Forsythia* cultures 1511
by *Linum* cultures 3601
of salsolinol, by Papaveraceae tissue cultures 2973
of steviol, by *Eucalyptus* and *Coffea* cultures 3989
of terpene aldehydes, by *Euglena* 1147
of testosterone isomers, by green *Marchantia* cell suspension cultures 2269
Biphenanthrenes, from *Bletilla* 2733
Biruloquinone, from *Mycosphaerella*, structure revision of 2729
Bis(bibenzyl)ethers from *Pellia* 1523
1,4-Bis(2,4-dihydroxyphenyl)butanedione, doubtful occurrence in *Gnetum* of 1033
Bisnorditerpene dilactone, from *Podocarpus* 3476
N,*N*′-Bis-(4-trifluoromethylphenyl)-urea, effects of, on isolated plant mitochondria and thylakoid membranes 733
Bitter principles, from *Prunus* fruits 1475
Bletilla striata,
biphenanthrenes from 2733
methylated stilbenoids from 2759
Boea hygroscopica, changes of metabolites of, in response to desiccation and rehydration 461
Boenninghausenia albiflora, coumarin from 2094
Bonnetiaceae 3141
Boraginaceae 105, 1703, 2233, 3107
Borreria verticillata, bis-indole alkaloid from 997
Bothriocline amplifolia, 5-methylcoumarin and glaucolides from 2807
Botryococcus braunii,
biosynthesis of
alkadienes in 175
n-alkatrienes in 2209
fatty aldehydes and acids in 185
ether lipids from 1439
haloadaptation of 2919
Botryodiplodia theobromae, hydroxylated jasmonic acids from 4049
Brachylaena, guaianolides from 3810
Brandisia hancei, phenylpropanoid glycoside from 701
Brassica, distribution of aromatic choline esters in 1873
B. napus,
diacylglycerol acyltransferase from microspore-derived embryos of 3533
HPLC purification of destruxins produced by *Alternaria* in 2311
immunological properties of 11S globulin from 3511
B. oleracea,
brassicanal C and dioxindoles from 2915
indole-3-carboxaldehyde in leaves of 389
light-induced changes in inositolphospholipids in 2895
sulphur-containing stress metabolites from 3921
Brassinosteroids, from *Raphanus* seeds 364
Brevifolin carboxylate, ethyl ester of, from *Flueggea* 2435

Brevifoliol, from *Taxus* 1613
Brickellia, guaianolides and labdanes from 1591
Bromoallenes, C-15, from *Laurencia* 255
Bulbophyllum odoratissimum, phenanthraquinone from 2092
Bunium paucifolium, sesquiterpene ketal from 3467
Bupleurum falcatum, polyacetylenes from roots of 1543
Bursera delpechiana, triterpenoids from resin of 362
Burseraceae 362, 1221
Butanolide, from *Machilus* 315
Butenolides,
bioactive, from *Melodorum* 2685
from *Trichoderma* cultures 3802
Butyrolactone lignan disaccharide, from *Flacourtia* 1026
Buxaceae 1295
Buxus sempervirens, steroidal alkaloids from 1295

C

Cactaceae 1133
Caffeic acid esters,
from *Alibertia* 2089
from *Pongamia* 3834
Caffeine,
biosynthesis of, in tea leaves, seasonal variations in 2245
from green beans of *Mascarocoffea* 4039
metabolism of, in *Coffea* 3913
Caffeoyl glucosides, in fungal challenged tomato suspension cultures 497
Cajanus cajan,
arabinans from cotyledons of 263
nitrate reduction in nodules of 51
Calceolaria polifolia, diterpenes from 3365
C. thyrsiflora, diterpenoids from 589
Calendula officinalis, transformation of oleanolic acid and its glycosides in cytoplasma and vacuoles of 3909
Callosobruchus maculatus, effect of wheat germ isolectins on development of 785
Calluna vulgaris, acetylated flavonoid glycosides from 3099
Calocephalus knappii, diterpenes from 2651
Calomelanols, from *Pityrogramma* farinose exudate 3091
Calophyllum inophyllum, xanthone from 366
CAM plants, deuterium enrichment in starch and cellulose nitrate of 1095
Camassia cusickii, steroidal saponins from bulbs of 3721
Camellia sinensis,
flavonol glycosides from 991
galactose containing flavonol triglycosides from 2057
hydroperoxidase lyase from 2109
seasonal variations in caffeine biosynthesis in 2245
Campanulaceae 2255
Canavalia maritima, amino acid sequences of lectins from seeds of 2619
Canavanine, biochemical basis for the deleterious effects of 1055
Cannabaceae 495, 3013
Cannabis sativa, arylnaphthalene lignanamide from 3013
Capparidaceae 2623
Caprifoliaceae 2013, 4137
Capsidiol production, by tobacco cells, induced by an elicitor from *Phytophthora* 2171
Cardenolide
biosynthesis, from acetate, in *Asclepias* 2577
tetraglycoside, from *Oxystelma* 301
Cardenolides, from *Asclepias* 3001, 3935, 3941
Carduus assoi, lignans and flavonoids from 1030
Carex kobomugi, oligostilbenes from 649
C. pumila, antimicrobial tetrastilbene from 645
Carica papaya, tributyroylglycerol hydrolase activity in latex of 1069
Caricaceae 1069, 2623
Carmalols, from *Carpophyllum* 3417
Carotane sesquiterpenes, from *Rosa* 3729
Carotenogenesis, *in vivo* and *in vitro*, in *Phycomyces* 2587
Carotenoid
metabolism, and the biosynthesis of abscisic acid 815
sulphates, from *Erythrobacter* 3411
nor-Carotenoid glycosides, from *Rehmannia* 1639
Carotenoids, from Corallinaceae 2983
nor-Carotenoids, from *Rehmannia* 1997
Carotenoprotein, from carrot 1535
Carpophyllum maschalocarpum,
carmalols and phlorethofuhalols from 3417
fucophlorethols from 3423
hydroxyphlorethols from 2741
Carvotacetones, from the *Sphaeranthus* group 3297
Caryophyllaceae 927, 1819, 2537, 3923
Caryophyllales, sterols from 523
Cassia alata, flavonoid mannosylallosides from 2761
C. didymobotrya, anthraquinones, bianthrones, stilbenes, tetrahydroanthracenes and flavonoids from 1849
C. pudibunda, anthraquinone and naphthopyrones from 708
Cassine transvaalensis, peltogynoid and triterpenes from 3490
Castanea sativa, insoluble ellagitannins from 775
Catalpa bignonioides, iridoids from 4057
Catalpol, acylated rhamnopyranosyl-, from *Premna* 4045
(+)-Catechin-5-gallates, from *Acacia* bark 2737
o-Catechols, anti-infective, from *Guardiola* 2175
Catharanthus roseus, growth-related dimerization of alkaloids in 1451
Caulerpa racemosa, caulerpins and sesquiterpene from 3041
Cecropiaceae 1621, 2361
Cedrela odorata, triterpenes from 1225
Celastraceae 271, 719, 1321, 1547, 1561, 1567, 3027, 3437, 3490, 3713, 3819, 3931, 4169
Celastrus angulatus,
insecticidal sesquiterpene polyol ester from 3931
sesquiterpene alkaloids from 3437
C. gemmatus, sesquiterpenoids from 271
C. paniculatus, dihydroagarofuran sesquiterpenoids from 1547
C. rosthornianus, sesquiterpene polyol esters from 1321, 4169
Cell wall,
alteration of, by acidified phenol 2523
synthesis of, in normal and mutant tomato fruit 1777
Centaurea,
acetylenes from species of 3289
flavones from 2663
C. aspera, sesquiterpene lactones and flavones from 2331
C. cyanus, induction of anthocyanin synthesis in 2271
C. scabiosa, polyenes from 3457
C. solstitialis, guaianolides and lignans from 4165
Centrospermae, effect of DOPA feeding on betaxanthins in species of 1109
Cephaeline production, by *Cephaelis* cultures 3999
Cephaelis ipecacuanha,
emetic alkaloid formation in root culture of 505
production of emetine and cephaeline by cultures of 3999
tetrahydroisoquinoline-monoterpene glucosides from 3117
Cephalocereus senilis, phytoalexin aurone induced in liquid suspension culture of 1133
Cercidiphyllaceae 1119
Cercidiphyllum japonicum, antimicrobial from 1119
Ceropegia juncea, pyridine alkaloid from 2449
Cestrum nocturnum, spirostanol glycoside from 3057
Chalcones, from *Senecio* 2440
Chemotaxonomic survey
of acetophenones, in *Anisothrix* and *Phagnalon* 3009

of acetylenes,
in *Centaurea* species 3289
in Heliantheae 11
of alkaloids,
in Spanish *Sarcocapnos* species 1175
in *Virgilia* 1891
isoquinoline, in *Platycapnos* 3315
of aromatic choline esters, in Cruciferae 1873
of aromatics, in East Malaysian liverworts 4019
of *Athanasia* and related genera 1161
of benzofurans, in *Pappobolus* 1861
of bis(bibenzyl)ethers, in *Pellia* 1523
of bud exudate phenolics, in *Populus sieboldii* 3005
of caffeine, in *Mascarocoffea* 4039
of cardenolides, in *Asclepias* 3001
of carotenoids, in red algae of the Corallinaceae 2983
of carvotacetones, in the *Sphaeranthus* group 3297
of cell wall polysaccharides, in *Pseudodichotomosiphon* 201
of di-*E*-caffeoyl-*meso*-tartaric acid, in *Equisetum* 527
of diglycosyldiacylglycerol isomers, in higher plants 1165
of diterpene adducts, in *Xylopia* 1869
of diterpenoids,
in *Aristeguetia* 2991
in *Calocephalus knappii* 2651
in Ecuadorian liverworts 215
in *Schistochila* 849
in *Scoparia dulcis* genotypes 3617
in the *Sphaeranthus* group 3297
of fatty acids,
in Black Sea algae 2279
in *Cladonia* 4015
in Cruciferae seed 841
in cyanobacteria 205
in *Gracilaria* 207
in Lamiaceae 2979
in lichens 837
in *Mentha* hybrids 2285
in *Pavlova* microalgae 1855
in *Sargassum* 2639
of flavone glycosides, in subgenera of *Galeopsis* 3311
of flavones, in *Centaurea* 2663
of flavonoid 5-glucosides, in *Prunus cerasus* bark 1519
of flavonoids, in *Stachys aegyptiaca* 1169
of glaucolides, in old world *Vernonia* 4025
of glucosinolates, in seeds of wild plant species 2623
of glycolipids, in Black Sea algae 2279
of hydroxamic acid, in perennial Triticeae 1531
of lectins,
in seeds, by latex agglutination test 4005
mannose-binding, in Amaryllidaceae and Alliaceae 509
of limonoid glycosides, in *Citrus* seeds 2659
of lupanines, in *Pearsonia* species 3631
of myricetin, in *Tagetes* 4037
of phenolics,
in bud exudates of *Populus* 1883, 1887, 3005
in *Populus trichocarpa* 531
of phloroglucinols, in *Dryopteris* species 3305
of phospholipids, in lichens 837
of polyacetylenes, in *Dahlia* 515
of polyphenoloxidase, in lower and higher plants 2499
of polysaccharides, sulphated, in Chlorophyta 3611
of prenyl bibenzyls, in *Radula* 219, 235
of pyranocoumarins, in *Eriostemon* and *Philotheca* 4033
of quassinoids, in Simaroubaceae 853
of quaternary nitrogen compounds, in Moraceae 3285
of scytophycins, in blue-green algae 3615
of sesquiterpene
acids, in Australian Inulae 2643
esters, in *Thapsia villosa* 2987
lactones,
in African *Vernonia* species 2653
in *Helianthus tuberosus* 519
in *Montanoa* species 3293
in *Pappobolus* 1861
of stearidonic acid (18:4 ω3), in *Primula* 4011
of sterols,
in Amaranthaceae and other Caryophyllales 523
in diatoms 2301
in mosses 2305
in Leguminosae seeds 4029
of tamariscol, in liverworts 2295
of terpenoids,
in East Malaysian liverworts 4019
in Icacinaceae 2671
of thiophenes, in *Echinops* 1157
of trichothecene mycotoxins, in *Baccharis* 789
of trigonelline, in *Coffea* 2309
of xanthones, in *Chironia* 3627
Chenopodiaceae 89, 411, 491, 733, 1109, 1281, 2861, 2905, 3261, 3519
Chiloscyphus pallescens, sesquiterpenoids from 3806
Chiococca alba, ketoalcohols, lignans and coumarins from 2029
Chiral esters, as attractants to pollinating beetles in Eupomatiaceae 3221
Chironia krebsii, xanthones from 3625
Chlorogenone, from unripe fruit of *Solanum* 1339
Chlorophyta 175, 185, 193, 201, 259, 1183, 1439, 2209, 2279, 2919, 3041, 3611, 3621
glycolipids and fatty acids from 2279
Chloroplasts, uptake of shikimate pathway intermediates by 2203
Cholesterol, structure-activity studies of synthetic monoglycosides of 2557
Chondrus crispus, cytochrome c-553 from 2845
Chorismate mutase, role of in plants 377
Chromene amides, from *Amyris* 2677
Chromenes, from *Ageratum* 1137
Chrysactinia mexicana,
6-hydroxyflavonol glycosides from 1044
monoterpenes from 3129
Chrysocoma, clerodanes from 607
Chrysophyta 113, 1855, 2301, 3209
Cicer arietinum,
effect of indole acetic acid on transcription in 393
induction of glutathione *S*-transferase in 2131
Cicerbita alpina, sesquiterpene lactones and furanocoumarins from 1319
Cincholic acid, ^{13}C NMR study of 623
Cinchona,
control of alkaloid synthesis in 3571
questionable allelopathic activity of alkaloids from 2947
Cinnamoylglucose, from *Gomortega* 4200
Cirrhopetalum andersonii,
bibenzyls from 321
stilbenoids from 3429
Cirsium japonicum, triolacetylene from 2321
C. nipponicum, polyolefines from roots of 1539
Cissus quadrangularis, lipids from 875
Cistaceae 981, 3471
Cistus incanus, flavon-3-ols and proanthocyanidins from 981
C. palinhae, clerodane from 3471
Citrus, ichangensin glucoside from seeds of 2659
C. aurantium, limonoid glucosides from 3803
C. paradisi,
changes in bitter principle levels with maturity in 3215
naringin 6″-malonate from 4198
C. sinensis,
biosynthesis of limonoid glucosides in 1487
pectin acetylesterase from peel of 445

Cladonia, fatty acids from 4015
Cladophora socialis, sulphated polysaccharides from 259
Clausena anisata, geranyl coumarins from 2809
C. lansium, carbazole alkaloids from 343
Clerodendron inermi, *neo*-clerodane diterpenoid from 3812
Clusia nemorosa, polyisoprenylated ketones from 703
C. sandiensis, prenylated benzophenones from 2003
Clusiaceae, *see* Guttiferae
Clutia abyssinica, 5-methylcoumarins from 333
Cocculus hirsutus, isoquinoline alkaloid from 1350
Cochliobolus spicifer, phytotoxins from 2563
Cochlospermaceae 4153
Cochlospermum tinctorium, triacylbenzenes and volatile ketones from 4153
Coelogyne flaccida, stibenoids from 971
Coffea,
caffeine metabolism in 3913
trigonelline contents in seeds of 2309
C. arabica, biotransformation of steviol by cultured cells of 3989
Cohirsinine, from *Cocculus* 1350
Colchicum decaisnei, phenolics from 3081
Cold acclimation, in plants 3177
Coleus blumei, rosmarinic acid synthase from cell cultures of 2877
Colletotrichum falcatum, phytoalexin from sugarcane infected with 3229
Compatibility, of solutes with enzymes from *Salsola* 411
Compositae 11, 85, 211, 387, 515, 519, 549, 553, 575, 583, 599, 607, 611, 627, 655, 689, 693, 789, 879, 883, 893, 899, 905, 909, 1011, 1030, 1040, 1044, 1107, 1121, 1137, 1141, 1157, 1161, 1211, 1269, 1273, 1303, 1319, 1329, 1539, 1573, 1579, 1585, 1591, 1597, 1607, 1629, 1645, 1673, 1677, 1712, 1714, 1716, 1734, 1847, 1861, 1905, 1929, 1933, 1941, 1947, 2078, 2083, 2127, 2175, 2271, 2321, 2325, 2329, 2331, 2403, 2405, 2407, 2440, 2445, 2453, 2493, 2611, 2615, 2643, 2651, 2653, 2663, 2691, 2695, 2703, 2757, 2785, 2788, 2807, 2849, 2991, 3009, 3033, 3053, 3129, 3132, 3289, 3293, 3297, 3339, 3349, 3457, 3458, 3461, 3464, 3469, 3653, 3657, 3661, 3669, 3683, 3769, 3808, 3810, 3822, 3909, 3977, 4025, 4037, 4163, 4165, 4167
Convolvulaceae 957, 2387
Convolvulus scammonia, resin glycoside from 957
Conyza hypoleuca, diterpenes and sesquiterpene acids from 575
C. steudellii, diterpene xyloside from 611
Corallinaceae, carotenoids from 2983
Corchorus depressus, α-amyrins from 1989
Coriandrum sativum, isocoumarins from 4143
Coronatine analogues, produced by *Xanthomonas* 3917
Coumaric acids, prenylated,
from *Artemisia* 1645
from *Ozothamnus* 2703
Coumarins,
from *Angelica* 710
from *Boenninghausenia* 2094
from *Chiococca* 2029
from *Setaria* 3826
geranyl, from *Clausena* 2809
highly oxygenated, from *Pterocaulon* 2757
4-hydroxy-, from *Ferula* 2383
5-methyl-,
from *Bothriocline* 2807
from *Clutia* 333
4-phenyl-, synthesis of 2438
pyrano-, cytotoxic, from *Peucedanum* 2812
Coumaronochromones, from *Euchresta* roots 3095
Coumestan, from *Psoralea* 2800
Crinum augustum, aliphatic hydroxyketones from 3127
Cronquista pringlei, sesquiterpene lactones from 909
Crooksiine, from *Haplophyton* 1741
Crossopteryx febrifuga, ursadienedioic acid glycoside from 3069
Croton cajucara, insect growth inhibitory *nor*-diterpenes from 2545
C. lechleri, proanthocyanidins and flavan-3-ols from 2033
C. linearis, insecticidal diterpene from 1801
C. salutaris, diterpenes from 4071
Cruciferae 57, 127, 364, 389, 841, 1873, 2217, 2477, 2623, 2895, 2915, 3511, 3533, 3921
fatty acid composition of seed from wild species of 841
Crypthecodinium cohnii, polyunsaturated fatty acid metabolism in 1781
Cryptoporus volvatus, drimane sesquiterpenes from 1555
Cucumis melo, ethylene-forming enzyme from 725
C. sativus, influence of UV-B radiation on polyamines and membrane lipids of 2101
Cucurbic acid, potato tuber-inducing activity of 1435
Cucurbic acids, preparation of 6,7-stereoisomers of, from jasmonic acids 1909
Cucurbitaceae 725, 1020, 2101
nor-Cucurbitacin glucosides, from *Wilbrandia* 1020
Cucurbitacins, from *Picrorhiza* 305
Cupressaceae 131, 695, 1551, 3134, 3483
Cupressus sempervirens, phytotoxic fungal sesquiterpene pathogenic for 131
Cyanogenic glucosides, changes in contents of, in *Hevea* 2135
Cyanohydrin glycosides, with unusual sugar residues, from *Passiflora* 867
Cyanophyta 3515, 3615
Cycadaceae 3635
Cycas, crystal structures of neurotoxic amino acids from 3635
Cyclitols, from *Isertia* 311
Cyclohexanes, oxygenated, from *Piper* species 871
Cyclohexenone, from *Plagiochila* 3643
Cyclopropanochromans, from *Radula* 325
Cyclopropanoheliangolide, from *Cronquistia* 909
Cydonia oblonga, C_{13}-norisoprenoid gentiobioside from 3021
Cylicodiscus gabunensis, triterpene saponins from 2711
Cylindrospermum muscicola, cytotoxic scytophycins from 3615
Cymbidium pendulum, polyoxygenated phenanthrene from 2432
Cyperaceae 645, 649, 2191
Cyperus rotundus, phytotoxin produced by fungal pathogen of 2191
Cytisus laburnum, gibberellins in developing seeds of 1789
Cytochalasins, from *Phoma* 3945
Cytochrome
c-553, from macroalgae 2845
oxidase-carbon monoxide complex, dissociation of in darkness 1061
P-450 dependent enzymes, involved in (*S*)-stylopine biosynthesis 2953
Cytokinin
analogues, as inhibitors of cytokinin *N*-glucosylation 2477
metabolism, in *Gerbera* 387
production, by cultures of ectomycorrhizal fungi 2249
Cytokinins, zeatin, produced by *Pseudomonades*, structure-activity relationships of 3505
Cytotoxic
amidic phenanthridone glycoside, from *Pancratium* 3445
butenolides, from *Melodorum* 2685
diterpenes, from *Euphorbia* 1018
phenylacetic acids, from *Entada* 3749
pyranocoumarins, from *Peucedanum* 2812

saponins, from *Albizzia* 4111
scytophycins, from blue-green alga 3615

D
Dacryodes normandii, *seco* ring-A triterpene acids from resin of 1221
Dahlia, polyacetylenes from 515
Dalbergia paniculata, *C*-glycosylisoflavone from 715
D. volubilis, synthesis of 4-phenylcoumarins from 2438
Datura innoxia, enzymes catalysing the reduction of tropinone from roots of 801
D. stramonium, tropane alkaloid biosynthesis in 2607
Daucanes, from *Ferula* 1207
Daucus carota,
biosynthesis of 6-methoxymellein in 1823
biotransformation of aromatic ketones with cell cultures of 3595
yellow carotenoprotein from 1535
Dehydroascorbate reductase, from potato tubers 427
Delphinium venulosum, aromatics from 4195
Demethylacrovestone, from *Achronychia* 1709
Dennstaedtia scabra, ptaquiloside analogue from 2080
Deoxyphomenone, bioproduction of, by *Dicyma* 3963
Dermocybe austroveneta, dimeric anthracenone from 951
Destruxins, produced by *Alternaria* in *Brassica*, HPLC purification of 2311
Deuterium enrichment, of cytoplasmic carbohydrate pool of CAM plants 1095
Deuteromycetes 2191
Deutzia corymbosa, triterpenoid saponins from 2798
Diacylglycerol acyltransferase, from microspore-derived *Brassica* embryos 3533
Dianthramide phytoalexins, from carnations 3923
Dianthus caryophyllus,
amide-type phytoalexins as possible artifacts from 3923
different susceptibilities of phospholipids to catabolism in petals of 2537
Diarylheptanoid diglycosides, from *Myrica* 3077
Diarylheptanoids, from *Zingiber* rhizomes 3647
Diarylpropanes, heterogeneous distribution of, in spruce lignins 659
Diazinecarboxylic acids, auxin activity of 2821
Dicaffeoyl-*meso*-tartaric acid, from *Equisetum* 527
Dichapetalaceae 2141
Dichapetalum gelonioides, nickel hyperaccumulation by 2141
Dictyopterenes, from Japanese brown algae 1805
Dictyota divaricata, diterpenes from 1971, 3679
D. indica, dolastane diterpenoids from 1015
Dicyma pulvinata, bioproduction of fungistatic sesquiterpene by 3963
1,4-Dideoxy-1,4-iminoarabinitol, effects of on lucerne seedlings 3197
Didiereaceae 1665
Digiferruginol glycoside, from *Rubia* roots 947
Digitoxigenin, biotransformation of by *Strophanthus* 1503
Diglycosyldiacylglycerol isomers, with different anomeric configuration, from higher plants 1165
Dihydrochalcones,
3′-formyl-2′,4′,6′-trihydroxy-, from *Psidium* 1131
from *Pityrogramma* farinose exudate 3091
Dihydrophenanthrenes, induced formation of, upon destruction of orchid mycorrhiza 457
Dihydropyrone, styryl, from *Goniothalamus* 2430
Dihydrostilbeno-flavonoids, from *Alluaudia* 1665
Dihydroxyketone, aliphatic, from *Achyranthes* 2076
Dimerization, growth-related, of alkaloids in *Catharanthus* 1451
Dinorditerpenoids, from *Ricinodendron* 619
Dioclea lehmanni, amino acid sequences of lectins from seeds of 2619
Dioncopeltine A, from *Triphyophyllum* 1691
Dioncophyllaceae 1691, 3845
Dioscorea batatas, sterols from bulbils of 2369
Dioscoreaceae 2369
Diosgenin, structure-activity studies of synthetic monoglycosides of 2557
Dioxindoles, from cabbage 2915
Dipeptides,
from *Acanthophora* 3323
from *Hypericum* 3639
Diphenylmethane, from *Metasequoia* 1034
Diplostephium meyenii, diterpenes from 1329
Dipsacaceae 2805, 3401
Dipsacus laciniatus, phenolic glucoside from 2805
Diterpenoid
acids,
cis-clerodane, from *Eperua* 3474
from armand pine leaves 2793
from *Juniperus* 3134
in chemotypes of *Scoparia dulcis* 3616
adducts, from *Xylopia* 1869
dilactone, bisnor-, from *Podocarpus* 3476
lactones, furano-, biosynthesis of, in *Tinospora* 2573
succinates, kaurane, from *Odixia* 2703
xyloside, from *Conyza* 611
nor-Diterpenoid dilactones, from *Podocarpus* 1467, 1967
Diterpenoids,
abietane,
from *Lepechinia* 2339
from *Salvia* 2085, 2791
acyclic, from *Montanoa* 1947
ent-atisane, from *Euphorbia* 287
cleistanthane, from *Vellozia* 3136
clerodane,
from *Chrysocoma* 607
from *Cistus* 3471
from *Penianthus* 1957
from *Portulaca* roots 4075
from *Salvia* 2335
from *Teucrium*, absolute stereochemistry of 613
neo-clerodane,
from *Ajuga* 4083
from *Baccharis* 1607
from *Clerodendron* 3812
from *Scutellaria*, antifungal activity of 1125
from *Teucrium* 275, 1603, 1721, 1963, 3693, 4079, 4175
cytotoxic, from *Euphorbia* 1018
dolastane, from *Dictyota* 1015
eleganolone-derived, from *Bifurcaria* 3049
endoperoxide, from *Abies* 593
from *Aristeguetia* 2991
from *Calceolaria* 589, 3365
from *Calocephalus* 2651
from *Conyza* 575
from *Croton* 4071
from *Dictyota* 1971, 3679
from *Diplostephium* 1329
from *Eragrostis* 2410
from *Haplopappus* 3669, 3683
from *Juniperus* 695
from *Leyssera* 211
from *Podocarpus*, ^{1}H and ^{13}C NMR assignments of 1951
from *Salvia* 2412, 3815, 4067
from *Schistochila* 849
from *Sideritis* 913, 3361
from *Stemodia*, microbial transformation of 2265
furanoid, from *Tinospora* 356
insecticidal,
from *Croton* 1801
from *Rhododendron* 1797
kaurene, from *Lasianthea* 1712

ent-kaurene,
from *Isodon* 3699
from *Rabdosia* 283, 603, 917
microbiological transformation of by *Gibberella* 2567
labdane,
from *Baccharis* 2785
from *Leonurus* 354
from *Stevia* 599
ent-labdane,
from *Brickellia* 1591
from the *Sphaeranthum* group 3297
phenalenone, from *Pygmacopremna* 359
secoclerodane, from *Salvia* 3357
stemodane, from *Stemodia* 1719
taxane, from *Taxus* 1613, 2345
tetracyclic, from *Elaeoselinum* 1977
nor-Diterpenoids, insect growth inhibitory, from *Croton* 2545
Diterpenols, tetracyclic, from *Euphorbia* 2413
Dittrichia graveolens, ichthyotoxic sesquiterpenes and xanthanolides from 1121
DNA topoisomerase I, from rice 3885
Dolichol-phosphate glucosyltransferase, from maize endosperm 2865
DOPA 4,5-dioxygenase, involved in betalain biosynthesis, from *Amanita* 169
Dorstenia contrajerva, furanocoumarin from 4196
Dryopteris, phloroglucinols from species of 3305
Duboisia myoporoides, alkaloid variation within 2667
Dunalia australis, withanolides from 4184
Dysoxylum richii, dammarane triterpenoids from 921

E

Echinops, thiophenes from 1157
E. pappii, thiophenes and terpenoids from roots of 879
Echinosophora koreensis, isoflavone from 3153
Echinosporin, degradation of 1,4-α-D-glucans to 1419
Echium pininana, pyrrolizidine alkaloids from 3107
Ecklonia kurome, anticoagulant fucoidan from 535
Edgeworthia chrysantha, piscicidal sterol acylglucosides from 2927
Eicosanoids, from *Gracilariopsis* 1187
Eicosapentaenoic acid,
in *Gracilaria* 207
production of by *Marchantia* cell cultures 3255
screening algae for presence of 2963
Elaeagnaceae 663
Elaeis guineensis, lipase activity in fruit of 1073
Elaeoselinum asclepium, tetracyclic diterpenoids from 1977
Elicitation, modulation of, in *Phaseolus* cultures 397
Ellagitannins,
antiviral, from *Spondias* 1129
dimeric, from *Quercus* heartwood 329
insoluble, in *Castanea* and *Quercus* wood 775
Embryophyta, glycolipids and fatty acids from 2279
Emetine production, from *Cephaelis* cultures 3999
Entada phaseoloides, phenylacetic acids and thioamide glycoside from 3749
Enzymatic activities, of cashew tree gum exudate 1431
Enzyme-linked immunosorbent assay, use of scopolamine monoclonal antibody in 3273
Enzymes,
acid invertase, from peach fruits 95
acid phosphatase, multiple forms of, in *Vigna* 2119
adenylate cyclase, in *Ricinus* roots 109
amine oxidases, from Leguminosae seedlings 3895
amino acid decarboxylases, inhibition of, in pea seedlings 99
dehydroascorbate reductase, from potato tubers 427
diacylglycerol acetyltransferase, from *Brassica* 3533
DOPA 4,5-dioxygenase, from *Amanita* 169
flavonol
3-*O*-glucosyltransferase, from Norway spruce 1773
4′-*O*-glucosyltransferase, from onion bulbs 1767
floridoside phosphate synthase, from *Porphyra* 1763
folylpolyglutamate synthase, from *Neurospora* 3523
α-L-fucosidase, from *Pisum* and *Tropaeolum* 3203
gibberellin 2β-hydroxylases, from *Phaseolus* 2507, 2513
α-glucosidase, from sugar beet cultures 2861
β-glucosidase, from grape 451
glucosyltransferase, from maize endosperm 2865
glutathione
S-cinnamoyl transferases 79
S-transferase,
from sugar cane leaves 1409
induction of, in chickpea 2131
hydroperoxide lyase, from tea leaves 2109
invertase, modulation of activity of by fructose 423
isochorismate synthase, HPLC assay of 2873
ligninolytic enzymes, produced by *Phlebia* 2869
lipase, activity of, in oil palm fruit 1073
malic enzyme, chemical modification of functional arginine residues of 431
mushroom tyrosinase, in commercial preparations 3899
NADH nitrate reductase, from tobacco XD cells 69
nitrate reductase, from spinach, partial amino acid sequence of 3519
nuclease, from rye nucleus, application of 1749
oleate desaturase, in sunflower seeds 2127
oxalate oxidase, from *Sorghum* 1065
pectin acetylesterase, from orange peel 445
peroxidases, in *Vicia* leaf vacuoles 73
phenolase, activity of, in spinach chloroplasts in winter 89
L-phenylalanine ammonia lyase, from *Rhodotorula* 85
phosphoenolpyruvate carboxylase from maize, inhibition of 751
polygalacturonase, in tree pollen 1753
exo-polygalacturonase, from rice shoots 2115
polyphenol oxidase, phylogenetic distribution of 2499
proteinolytic enzyme complex, from dry pea seeds 2487
putrescine hydroxycinnamoyl transferase, from tobacco callus 1089
Q-enzyme, with M_r 103 000, from potato tubers 437
ribulose biphosphate carboxylases, from macroalgae 745
rosmarinic acid synthase, from *Coleus* cell cultures 2877
rubber transferase, from guayule 2493
spermidine hydroxycinnamoyl transferase, from tobacco callus 1089
starch phosphorylase, from pea cotyledons 1079
tributyroylglycerol hydrolase, from *Carica* latex 1069
tyramine hydroxycinnamoyl transferase, from wheat and barley 2519
Eperua purpurea, *cis*-clerodane diterpenic acid from 3474
Epimedium grandiflorum, ionone and bibenzyl glycosides from 1727
E. sagittatum, lignan and terpene glycosides from 2025
Epipactis palustris, induced formation of dihydrophenanthrenes and bibenzyl synthase in roots of 457
9,10-Epoxydodecanoic acids, biosynthesized by *Helianthus* microsomes, absolute configuration of 1905
Equisetaceae 527
Equisetum arvense, dicaffeoyl-*meso*-tartaric acid in 527
Eragrostis ferruginea, diterpenoids from 2410
Ericaceae 1797, 3099
Eriostemon coccineus, pyranocoumarins from 4033

Ermanin, from *Passiflora*, insect deterrent properties of 153
Ervatamia hirta, indole alkaloids from 3785
Erythrobacter longus, carotenoid sulphates from 3411
Erythroxylaceae 1255
Erythroxylum novogranatense, procyanidin 3-*O*-rhamnoside from 1255
Eschscholtzia californica,
induction of ethylene biosynthesis and alkaloid accumulation in elicitor-treated cells of 2151
methylenedioxy bridge forming enzymes involved in alkaloid synthesis in 2953
Essential oil,
from Japanese brown algae 1805
from tall fescue 1455
from *Thymus*, variability of 2289
Ether lipids, from *Botryococcus* 1439
Ethylene
biosynthesis, and induction of alkaloid accumulation in elicitor-treated *Eschscholtzia* cells 2151
-forming enzyme, complete recovery of *in vitro* activity of 725
production, by tobacco cells, induced by elicitor from *Phytophthora* 2171
role of, in berberin production by *Thalictrum* 3605
Eucalyptus perriniana,
biotransformation of (+)-menthol and its triglucoside by cultured cells of 1843
biotranformation of steviol by cultured cells of 3989
Euchresta formosana, flavanones and coumaronochromones from 3095
Euglena gracilis,
biotransformation of aromatic aldehydes by 2969
biotransformation of terpene aldehydes by 1147
phylloquinone biosynthesis in 3585
Euglenophyta 1147, 2969, 3585
Euphorbia fidjiana, diterpenoid and isocoumarins from 287
E. fischeriana, allose gallates from 1251
E. kansui, cytotoxic diterpenes from 1018
E. sieboldiana, tetracyclic diterpenols from 2413
E. supina,
fernane triterpene-triones from 293
triterpene ketols from 4093
Euphorbiaceae 109, 287, 293, 333, 419, 619, 1018, 1069, 1251, 1801, 2033, 2135, 2413, 2435, 2545, 2815, 4071, 4093
Eupomatia, chiral esters as attractants to pollinating beetles in flowers of 3221
Eupomatiaceae 3221
Eurhynchium striatum, effects of culture conditions on fatty acid accumulation in 1837
Eurycoma longifolia, quassinoid from 3138
Euryops, eremophilanes and furoeremophilanes from 899
Eutypa lata, phytotoxin produced by 471
Exostema caribaeum, synthesis of 4-phenylcoumarin from 2438

F

Fagaceae 329, 763, 775, 1415, 1753
Fagus sylvatica, thiol composition of xylem sap from 1415
Farnesyl 4-hydroxycoumarins, from *Ferula* 2383
Fatty acid
accumulation, effects of culture conditions on, in cultures of *Rhytidiadelphus* and *Eurhynchium* 1837
changes, in normal and habituated sugar beet calli 491
composition,
of lichen species 837
of oils from wild Cruciferae seed 841
of *Primula* 4011
of *Sargassum* species 2639
distribution, in *Gracilaria* 207
esters, from *Potentilla* 267
hydroperoxide cleaving enzyme, from tea leaves 2109
synthesis, interaction of thiocarbamate herbicides with 2883
Fatty acids,
from Black Sea marine plants 2279
from *Cladonia* 4015
from *Pavlova* microalgae 1855
from Saturejoideae, Ajugoideae and Scutellarioideae 2979
from *Spirulina* and related cyanobacteria 205
from willows, frost-tolerant- and -susceptible 2161
hydroxylated, from *Gracilariopsis* 1187
keto, from *Gardenia* seed oil 2399
methyl-branched, biosynthesis of in *Botryococcus* 185
polyunsaturated,
in moss gametophores 117
metabolism of, in *Crypthecodinium* 1781
production of, by *Marchantia* cell cultures 3255
unsaturated, in triacylglycerols of *Limnanthes* 3955
variability of, in *Mentha* hybrids 2285
ω-3, screening of algae for 2963
Fatty aldehydes, methyl-branched, biosynthesis of in *Botryococcus* 185
Fernane triterpene, from *Adiantum* 3478
Ferula aucheri, acetylhydroquinone galactoside from 2803
F. communis, farnesylcoumarins from 2383
F. sinaica, terpenes and phenylpropene from 1207
Ferulic acid
conjugates, from *Beta* cell cultures 3261
esters, from *Pavetta* stem bark 1024
Festuca arundinacea, essential oil composition of 1455
Fissidens adianthoides, homo-α-linolenic acid in 117
Flacourtia ramontchi, butyrolactone lignan disaccharide from 1026
Flacourtiaceae 1026
Flavan-3-ol 5-gallates, from *Acacia* bark 2737
Flavan-3-ols,
from *Cistus* 981
from *Croton* 2033
Flavanone glycoside,
acetylated, from *Pyracantha* 3830
acylated, from grapefruit 4198
Flavanones,
chromeno-, from *Pongamia* 3834
from *Tephrosia* 3832
prenylated, from *Euchresta* 3095
stilbenoid nuclei containing, from *Sophora* 3773
Flavanolol rhamnoside, from *Hypericum* 3152
Flavodoxin isoforms, from *Porphyra* 2835, 2841
Flavone
glycosides,
acylated, from *Hypochoeris* 1673
from *Heywoodiella*, revised structures for 1677
from *Primula* 4206
from *Setaria* 1345
6-*C*-glycosides,
from *Parkinsonia* 2442
with unusual sugars, from *Passiflora* 3486
Flavones,
acylated, from *Polygonum* 3155
from *Centaurea* species 2663
C-glycosyl-, from *Raputia* 3840
6-methoxy-, from *Centaurea* 2331
methylenedioxy-, from *Zieridium* 3488
polymethoxy-, from *Ageratum* 1269
pyrano, from *Neoraputia* 3157
Flavonoid
5-glucosides, from *Prunus* bark, weak glycosidic bonding of 1519
glucuronides, 8-hydroxy-, from *Malva* 987

glycosides, acetylated, from *Calluna* flowers 3099
mannosylallosides, from *Cassia* 2761
patterns, use of in infrageneric taxonomy of *Galeopsis* 3311
Flavonoids,
antifungal, from *Psidium* 1131
complex, from *Pityrogramma* farinose exudate 3091
dihydrostilbeno-, from *Alluaudia* 1665
exudate, from *Inula* 2445
from *Carduus* 1030
from *in vitro* cultures of *Cassia* 1849
from *Oxymitra* 1265
from *Stachys* 1169
prenyl-, from *Artocarpus* 1669
produced by cupric chloride-treated *Iris* leaves 2197
Flavonol
diglycoside, from *Asplenium* 2817
glucoside, acylated, from *Solanum* 1042
3-*O*-glucosyltransferase, from Norway spruce 1773
4′-*O*-glucosyltransferase, from onion bulbs 1767
glucuronides, from *Tulipa* 1679
glycosides,
acetylated, from *Zingiber* 2391
from *Camellia* seeds 991
from *Monnina* 3781
from *Rhamnus* 3103
6-hydroxy-,
from *Chrysactinia* 1044
from *Sapium* 2815
prenylated, from *Vancouveria* 2765
sulphate, from *Hypericum* 1344
triglycosides,
from *Actinidia* 2443
from *Ochradenus* 3777
galactose containing, from tea 2057
Flavonols,
from *Inula* 1040
insect-deterrent, from *Passiflora* resin 153
Flemingia philippinensis, isoflavones from 3842
Floridoside phosphate synthase, from *Porphyra* 1763
Flueggea microcarpa, ethyl brevifolin carboxylate from 2435
Folylpolyglutamate synthetase, from *Neurospora* 3525
Forsythia intermedia, biotransformation of *Podophyllum* lignans in cultures of 1511
Friedolabdanes, from *Haplopappus* 3669
Frullania, geographical distribution of sesquiterpene alcohol from 2295
Fucoidan, anticoagulant, from *Ecklonia* 535
Fucophloretols, from *Carpophyllum* 3423
Fumariaceae 1005, 1175, 2071, 3315
Fungal enzyme, degrading 1,4-α-D-glucans to echinsporin 1419
Fungi, abscisic acid in saprophytic and parasitic species of 1059
Fungicidal activities, of (*E*)-4-hydroxystilbenes and related bibenzyls 2939
Fungistatic sesquiterpene, bioproduction of, by *Dicyma* 3963
Furanocoumarins,
from *Cicerbita* 1319
from *Dorstenia* 4196
Furanonaphthoquinones, from *Lantana* 941
Furoeremophilanes, from *Senecio* 2078, 2407
Fusarins, from *Gibberella* 2259
Fusarium culmorum, biosynthesis of trichothecene mycotoxins in 2237
Fusicoccins, ^{1}H NMR conformational study of 137

G

Gaillardia, isoflavones and sesquiterpene lactone-monoterpene adduct from 1273
Galactomannan, from *Newropogon* 3125
Galeopsis, correlation between flavonoid patterns and infrageneric taxonomy of 3311
Galium mollugo, *O*-succinylbenzoic acid from anthraquinone producing cell cultures of 823
Galloyl alloses, from *Euphorbia* 1251
Ganoderma applanatum, antitumour triterpenes from 4105
G. neo-japonicum, drimane sesquiterpenes from 1555
Garcinia mangostana, triterpene from 361
G. subelliptica, prenylated xanthones from 3433
Gardenia jasminoides, biotransformation of aromatic ketones with cell cultures of 3595
G. lucida, 7-keto-octadec-*cis*-11-enoic acid from 2399
Gelsemium, oxindole alkaloids from 679
G. elegans, oxindole alkaloids from 1311
Gentianaceae 1036, 1037, 3625, 4087
Geraniaceae 501, 825, 1347, 1757
Geranium thunbergii, tannin production in cultures of 501, 825
Geranyl diphosphate synthase, in *Pelargonium* 1757
Gerbera jamesonii, benzyladenine ribosylglucoside as a benzyladenine metabolite in 387
Germination inhibition, by *Cinchona* alkaloids 2947
Gesneriaceae 461
Gibberella fujikuroi,
biotransformation of
gibberellin 20→19-lactone by 3967
ent-kaurenes by 2567
6-substituted *ent*-kaur-16-enes by 807
fusarin C and 8-*Z*-fusarin C from 2259
inhibition of gibberellin biosynthesis in 2227
Gibberellic acid, effects of, on changes in bitter principle levels in grapefruit 3215
Gibberellin
biosynthesis, inhibition of, by 19-norgibberell-16-enes 2227
2β-hydroxylases,
from *Phaseolus* cotyledons 2507
inhibition of by acylcyclohexanediones 2513
20→19-lactone, biotransformation of, by *Gibberella* 3967
Gibberellins, in developing *Cytisus* seeds 1789
Ginkgo biloba, water-soluble polysaccharides from 3017
Ginkgoaceae 3017
11-*S*-Globulin, from rapeseed, immunological properties of 3511
1,4-α-D-Glucans, degradation of to echinosporin by fungal enzyme 1419
Glucomannan, from *Lilium* bulbs, *in vitro* biosynthesis of 3579
α-Glucosidase, from sugar-beet cell cultures 2861
β-Glucosidase, from grape 451
Glucosinolate composition, of seeds from wild plant species 2623
Glucosinolates, from *Thlaspi*, in bovine rumen fluid 127
Glucosyltransferase, specific for solanidine, in potato plants 1827
Glutathione *S*-cinnamoyl transferases, in Leguminosae 79
Glutathione *S*-transferase,
from sugar cane leaves 1409
induction of in chickpea by oxadiazon 2131
Glyceollins, high yield isolation of 3233
Glycine betaine accumulation, in cold-stressed wheat 407
Glycine max,
effect on proton leakage of glyceollins from 3233
lipid desaturation by chloroplast homogenates from 2217
prenyltransferase of isoflavonoid phytoalexin biosynthesis in 479
Glycoalkaloids, steroidal,
from *Solanum*, isolation of by countercurrent chromatography 685

in hybrids between wild and cultivated potatoes 165
Glycolipids,
from Black Sea marine plants 2279
from Leguminosae seeds 1165
from *Sphagnum*, temperature and light effects on 2529
C-Glycosylisoflavone, from *Dalbergia* seeds 715
Glycyrrhiza uralensis, prenylated phenols from 1245
Gnetaceae 1033, 4201
Gnetum parvifolium, stilbene from 4201
G. ula, doubtful occurrence of butanedione in 1033
Gomortega keule, cinnamoylglucose from 4200
Gomortegaceae 4200
Goniothalamus uvaroides, 5-acetylgoniothalamin from 2430
Gossypium, gossypol enantiomer ratios in seeds of 2655
G. hirsutum, tritium transfer during biosynthesis of cadalene stress compounds in 197
Gossypol, enantiomer ratios of, in cotton seeds 2655
Gracilaria, eicosapentaenoic and arachidonic acids in 207
G. lemaneiformis, eicosanoids from 1187
Gramine,
biodegration of, in *Hordeum* 779
effect of environment on content of, in barley 3237
Gramineae 105, 407, 415, 431, 729, 751, 779, 785, 1065, 1093, 1345, 1391, 1409, 1455, 1531, 1749, 1793, 1909, 2115, 2155, 2199, 2203, 2317, 2410, 2477, 2519, 2865, 2911, 3229, 3237, 3281, 3826, 3885, 3889
Grammitis argyrata, long-chain benzoic acid from 2307
Grayanoid insecticides, from *Rhododendron* 1797
Grindelia camporum, microbial transformation of grindelic acid from 1847
Grindelic acid, biotransformation of by *Aspergillus* 1847
Growth inhibitors, in *Raphanus* 57
Guardiola platyphylla, potential anti-infective *o*-catechols from 2175
Guatteria goudotiana, alkaloids from 2781
Guizotia scabra, sesquiterpene lactone from 1579
Guluronic acid blocks, in alginate of *Laminaria* 1707
Guttiferae 361, 366, 475, 703, 1344, 2003, 2559, 3152, 3433, 3639
Gypsophila, triterpenoid saponins from 927
G. paniculata, biosynthesis and accumulation of saponins in 1819

H

Haeckeria, sesquiterpene acids from 2643
Haematomma puniceum, red pigment from 706
Halenia elliptica, structural revision of xanthone from 1347
Haloadaptation, of *Botryococcus* 2919
Haplopappus, terpenoids from 3669
H. parviflorus, labdanes from 3683
Haplophyton crooksii, bisindole alkaloid from 1741
Hedera helix, polyacetylenes from 4151
Heliantheae, acetylenes in 11
Helianthus annuus,
effects of inactivating factor from 85
in vitro oleate desaturase activity in seeds of 2127
seed proteins from different cultivars of 2849
H. tuberosus,
absolute configuration of 9,10-epoxydodecanoic acid biosynthesized by 1905
sesquiterpene lactones from 519
Heliotropium indicum, polyamine levels and senescence in 105
H. spathulatum, pyrrolizidine alkaloids from 1703
Helleborus multifidus, steroidal sapogenin from 1724
Hemidesmus indicus, pregnane glycosides from 297
8-Hentriacontanol, from *Piper* 2075
Hepaticae, terpenoids and aromatics from 215, 4019
Herbicides, thiocarbamate, fatty acid elongation inhibition in monocots by 1445
Hericum erinacens, sterol glycosides from 4117
Hertia cheirifolia, eremophilenolides from 2083
Hevea, changes in cyanogenic glucoside content in 2135
Hexadecanoic acids, enzymatic formation of, in marine algae 193
Heywoodiella oligocephala, revised structures for isoetin glycosides from 1677
Hippophae rhamnoides, hydrolysable tannins from 663
Holarrhena antidysenterica, alkaloid production in cell cultures of 833
Homoisoflavanones, from *Muscari* 713
Homo-α-linolenic acid (20:3 ω3) in moss gametophores 117
Homothallism, induced in *Phytophthora* by volatiles 3545
Hoppea fastigiata, 1,5,7-trihydroxy-3-methoxyxanthone from 1036
Hordeum,
effect of environment on gramine content in 3237
effects of NaCl on glycine-betaine in seedlings of 1793
H. sativum, uptake of shikimate pathway intermediates by intact chloroplasts from 2203
H. vulgare,
amino acid sequence of ferredoxin from 415
biodegradation of indolic system of gramine in 779
effect of waterstress on proline content and enzyme activities in 1093
polyamine levels and senescence in 105
tyramine hydroxycinnamoyl transferase from 2519
Hoya naumanii, 3,4-*seco*-triterpenoid acids from 1625
Humulus lupulus, *p*-hydroxynonanophenone from cultures of 495
Hydrocarbons, biosynthesis of, in *Botryococcus* 175
Hydrodictyon reticulatum, sterols from 3621
Hydrogen transfer, stereospecific, by NADP-linked acyclic monoterpene primary alcohol dehydrogenase 2223
Hydroperoxide lyase, from tea leaves 2109
Hydroquinone glycoside, from *Ferulago* 2803
Hydroxamic acid content,
in wheat tissues 3281
of perennial Triticeae 1531
p-Hydroxybenzoic acid, formation of from *p*-coumaric acid in cell free extract of *Lithospermum* 2233
Hydroxy-bis-dihydroencelin, from *Montanoa* 3293
Hydroxycinnamic acid
conjugate, in barren sprouts of *Equisetum* 527
esters, from *Pavetta* 1024
Hydroxycinnamoyl transferases, of putrescine and spermidine 1089
Hydroxyketones, aliphatic,
from *Adhatoda* 3799
from *Crinum* 3127
p-Hydroxynonanophenone, in cultures of hop 495
(23*S*)-23-Hydroxysolasodine, from *Solanum* 1299
N-Hydroxytryptophan, synthesis and metabolism of 1405
Hygrocybe conica, secodopas from caps of 3251
Hymenoxys ivesiana, monoterpenes and sesquiterpene lactones from 553
H. linearifolium, sesquiterpene lactones from 1585
Hyoscyamus albus,
alkaloid production in hairy roots of 3277
piperidone alkaloid from transformed roots of 2977
Hypericaceae, *see* Guttiferae
Hypericin, variation of in Australian *Hypericum* 475
Hypericum elodes, quercetin 3′-sulphate from 1344
H. erectum, antiallergic phloroglucinols from 2559
H. japonicum,
dipeptide from 3639
flavanonol rhamnoside from 3152
H. perforatum, variation in hypericin content in Australian varieties of 475
Hypochoeris, isoetin glycosides from 1673

Hypomyces odoratus, phytotoxic eremophilane ether from 1463
Hyptis capitata, lignan and pyrone from 2753
H. urticoides, aliphatic δ-lactone from 2417

I
Icacinaceae, chemogeographical evolution of terpenoids in 2671
Ichangensin glucoside, from *Citrus* seeds 2659
Ichthyotoxic sesquiterpenoids and xanthanolides, from *Dittrichia* 1121
Illiciaceae 351
Illicium anisatum, sesquiterpene lactones from 351
Immunologically active polysaccharides, from *Arnica* cell cultures 1141
Indirect defence, induction of, in uninfested Lima beans against spider-mites 1459
Indoleacetic acid, effect of, on transcription in chickpea 393
Indole-3-carboxaldehyde, from cabbage leaves 389
Inga paterno, *trans*-4-methoxypipecolic acid from 2397
Inhibitory activities, from cashew tree gum exudate 1431
Inositolphospholipids, in *Brassica* seedlings, light-induced rapid changes in 2895
Insect
  antifeedants,
    grayanoid, from *Rhododendron* 1797
    sesquiterpene alkaloid, from *Celastrus* 3437
  antimetabolic properties, of L-canavanine 1055
  deterrent flavanol, from *Passiflora* resin 153
  growth inhibitory *nor*-diterpenes, from *Croton* 2545
Insecticidal
  activity, of rice and stinging nettle lectins 3565
  diterpenes,
    from *Croton* 1801
    from *Rhododendron* 1797
  polyhalogenated monoterpenes, from *Plocamium* 2165
  sesquiterpene polyol ester, from *Celastrus* 3931
Inula grantioides, pentamethoxyflavone from 1040
I. viscosa,
  exudate flavonoids from 2445
  nerolidol esters and eudesmane acids from 3653
Invertase,
  acid, from peach fruits 95
  from potato, modulation of activity of by fructose 423
  from *Ricinus*, effect of lectins on 419
Ionone glycoside, from *Epimedium* 1727
Iridaceae 157, 2197, 3379
Iridals, from *Belamcanda* and *Iris* 3379
Iridoid
  glycosides,
    acylated, from *Premna* 4045
    from *Pedicularis* 1341, 2401, 3745
    from *Phlomis* 4156
    from *Plantago* 1317
    from *Premna* 1917
    from *Rogeria* 889
    from *Rubia* 1710
Iridoids,
  from *Catalpa* 4057
  from *Phlomis* 3073
Iris japonica, spirobicyclic triterpenoids from 3379
I. pseudacorus,
  flavonoids produced by elicited leaves of 2197
  isoflavonoid stress metabolites from 157
Isertia haenkeana,
  nortriterpene glycoside from 623
  quinic acid esters from 311
Isochorismate synthase,
  from *Rubia* and *Morinda* cultures, HPLC assay of 2873
  role of in plants 377
Isocoumarins,
  from *Coriandrum* 4143
  from *Euphorbia* heartwood 287
  from *Flueggea* 2435
Isodon pharicus, *ent*-kaurene diterpenoids from 3699
Isoetin glycosides,
  from *Heywoodiella*, revised structures for 1677
  from *Hypochoeris* 1673
Isoflavanone, from *Echinosophora* roots 3153
Isoflavans,
  from alfalfa 4147
  from *Astragalus* 2777
Isoflavone *O*-methyltransferase, activity of, in elicitor-treated *Medicago* cultures 2597
Isoflavones,
  from *Flemingia* 3842
  from *Gaillardia* 1273
  from *Piscidia* 2769
  C-glycosyl-, from *Dalbergia* seeds 715
  ^{1}H NMR chemical shift value of 5-hydroxyl proton as indicator of 6-substitution or 2'-hydroxylation 1683
Isoflavonoids,
  from copper chloride-treated *Pueraria* stems 1481
  from copper chloride-treated *Iris leaves* 157
  from *Salsola* roots 1281
Isoharmine, from *Peganum* seeds 1046
Isolectins, from wheat germ, effect of on cowpea weevil development 785
Isomyricanone, structure revision of 3077
Isowilfordine, from *Tripterygium* 719
β-Isoxazolinonyl-alanine, from *Pisum*, allelopathic and antimycotic activity of 467

J
Jasminum mesnyi, secoiridoid glucosides from 1191
Jasmonic acids,
  from *Anemia*, *Juglans* and *Secale* 1909
  from *Botryodiplodia* 4049
  potato tuber-inducing activities of 1435
Javanicinosides D–H, from *Picrasma* 4099
Juglandaceae 1909
Juglans regia, 6,7-stereoisomers of cucurbic acid from 1909
Juncaceae 3149
Juncus effusus, phenanthrenes from 3149
Juniperus communis, diterpene acids from 3134
J. oxycedrus, oxygenated sesquiterpenes from 1551
J. sabina,
  acidic and phenolic lignans from 3483
  diterpenoids from 695
Jurinea leptoloba, sesquiterpene lactones from 1929

K
Kansuiphorins C and D, from *Euphorbia* 1018
ent-Kaur-16-enes, 6-substituted, biotransformation of by *Gibberella* 807
Ketoalcohols, from *Chiococca* 2029
Ketones, polyisoprenylated, from *Clusia* 703
Kobophenols, from *Carex* 645, 649
Kopsia larutensis, alkaloids from 3164
Krameria ixina, lignans from 3753
Krameriaceae 3753

L
Labiatae 275, 283, 354, 485, 603, 613, 691, 913, 917, 965, 1125, 1169, 1603, 1721, 1963, 2085, 2282, 2289, 2335, 2339, 2412, 2417, 2753, 2791, 2877, 2979, 3073, 3267, 3311, 3357, 3361, 3462, 3693, 3699, 3815, 4067, 4079, 4083, 4156, 4175, 4181
Laccaria bicolor, cytokinin production by liquid culture of 2249
Lactarius vellereus, furanol and γ-lactone from 1326
δ-Lactone, aliphatic, from *Hyptis* 2417

Laminaria brasiliensis, guluronic and mannuronic acid blocks in alginate of 1707
Lantana, furanonaphthoquinones from 941
Lardizabalaceae 2425
Larix leptolepis, lignan biosynthesis in 3591
Lasianthea fruticosa, kaurene diterpenes from 1712
Latex agglutination tests, screening for plant lectins by means of 4005
Lathyrus sativus,
  biosynthesis of neurotoxin in callus tissue of 3241
  crystal structures of neurotoxins from 3635
Lauraceae 315, 4121, 4160
Laurencia obtusa,
  brasilane sesquiterpenoids from 1921
  bromoallenes from 255
L. pinnatifida, terpenoids from 4172
Lectins,
  effect of, on *Ricinus* invertase 419
  inhibiting invertase, from *Solanum* 739
  mannose-binding, from Amaryllidaceae and Alliaceae 509
  of rice and *Urtica*, insecticidal activity of 3565
  screening for, by latex agglutination tests 4005
Lecythidaceae 4177
Leguminosae 51, 63, 73, 79, 99, 263, 393, 397, 467, 479, 641, 708, 715, 785, 811, 815, 1001, 1055, 1079, 1099, 1165, 1245, 1401, 1459, 1481, 1493, 1732, 1789, 1833, 1849, 1891, 2119, 2131, 2217, 2357, 2397, 2438, 2442, 2487, 2507, 2513, 2597, 2619, 2707, 2711, 2737, 2761, 2769, 2777, 2800, 2829, 2883, 2889, 2911, 3095, 3111, 3153, 3185, 3197, 3303, 3233, 3241, 3319, 3389, 3474, 3480, 3569, 3631, 3635, 3703, 3749, 3767, 3773, 3793, 3832, 3834, 3842, 3895, 4029, 4041, 4111, 4147
  characterization of amine oxidases from 3895
  diglycosyldiacylglycerol isomers from seeds of 1165
  sterols from seeds of 4029
Lemna gibba, growth inhibition of, by allenic analogues of abscisic acid 3189
Lemnaceae 3189
Leontice leontopetalum, lupine alkaloid from 2393
Leonurus heterophyllus, labdane diterpene from 354
Lepechinia, abietane diterpenoids from 2339
Leptosphaeria maculans, pentacyclic triterpenes from 1235
Leucas nutans, triterpene saponin from 4181
Leyssera gnaphaloides, diterpenes from 211
Leysserals, from *Anisothrix* and *Phagnalon* 3009
Lichenan, from *Newropogon* 3125
Lignan
  biosynthesis, in *Larix* callus 3591
  disaccharide, butyrolactone, from *Flacourtia* 1026
  glycosides,
    biologically active, synthesis of 3087
    from *Epimedium* 2025
    from *Pluchea* 655
Lignans,
  acidic and phenolic, from *Juniperus* 3483
  biosynthesis of, in *Podophyllum* 1489
  from *Aristolochia* 717
  from *Carduus* 1030
  from *Centaurea* 4165
  from *Chiococca* 2029
  from *Hyptis* 2753
  from *Krameria* 3753
  from *Podophyllum*, biotransformation of in cultures of *Forsythia* 1511
  from *Schisandra* 975
  from *Virola* 4204
  podophyllotoxin-related, in *Linum* 3601
Ligninase, oxidation of non-phenolic aromatics by means of 121
Ligninolytic enzymes, production of, by *Phlebia* 2869
Ligularia persica, germacrane esters from roots of 2325
L. virgaurea, benzofuranosesquiterpenes from 3132
Liliaceae 368, 713, 799, 937, 1676, 1767, 3063, 3081, 3405, 3579, 3721
Lilium speciosum, steroidal saponin and phenolic glycoside from 937
L. testaceum, *in vitro* biosynthesis of reserve glucomannan in 3579
Limnanthaceae 3955
Limnanthes alba, C_{20} and C_{22} unsaturated fatty acids in triacylglycerols from 3955
Limonin, changes in levels of, in grapefruit 3215
Limonoid glucosides,
  biosynthesis of in navel orange 1487
  from *Citrus* 2659, 3803
  from *Tetradium* 2365
Linaceae 3601
Linoleic acid, incorporation of in *Rhytidiadelphus* cultures 2899
Linum flavum, podophyllotoxin-related lignans in plants and cultures of 3601
Lipase activity,
  in latices of *Carica* and other plants 1069
  in ripening and mature fruit of oil palm 1073
Lipid
  composition,
    changes of, in normal and habituated *Beta* calli 491
    in toxic marine diatom 113
    of chloroplasts from cold-acclimated *Nothofagus* 763
  desaturation, by chloroplast homogenates 2217
Lipids,
  from *Cissus* 875
  in cucumber, influence of UV-B radiation on 2101
  of tomato fruit, changes of at chilling 757
Lipoxygenase, in *Marchantia* cultured cells 1499
Lippia integrifolia, sesquiterpene ketones from 1323
Lithospermum erythrorhizon, formation of *p*-hydroxybenzoic acid from *p*-coumaric acid in 2233
Lobelia inflata, polyacetylenes from hairy root cultures of 2255
Loganiaceae 679, 1311, 3449
Lolium perenne, effects of SO_2 on the cell wall composition of 2155
Lupinus, biosynthesis of quinolizidine alkaloids in 1493, 1833
L. termis, lupin alkaloids from seeds of 3111
Lycopersicon esculentum,
  abscisic acid biosynthesis in 815
  alteration of cell wall properties of, by acidified phenol 2523
  caffeoyl glucosides in fungal challenged suspension cultures of 497
  lipid changes in fruits of, by chilling 757
  ripening and cell wall synthesis in normal and mutant fruit of 1777
Lycoris sanguinea, alkaloid *N*-oxides from 675

M

Machilus thunbergii, butanolide and phenolics from 315
Macrophylloside, from *Primula* 4206
Madhuca butyracea, triterpenoid sapogenin from 2087
Magnolia virginiana, bioactive neolignans from 2193
Magnoliaceae 2193
Majoroside, from *Plantago* 1317
Malic enzyme, from maize, chemical modification of functional arginine residues of 431
Malva sylvestris, 8-hydroxyflavonoid glucuronides from 987
Malvaceae 197, 987, 2655
Malvin quinonoidal bases, self-stacking conformation of, studied by ^{1}H NMR 2049
Mandevilla pentlandiana, sterols from roots of 1239
Mannuronic acid blocks, in alginate of *Laminaria* 1707

Marchantia polymorpha,
biotransformation of testosterone isomers by green cell suspension cultures of 2269
lipoxygenase in cultured cells of 1499
production of arachidonic acid by cultures of 3255
Mascarocoffea, caffeine from green beans of 4039
Matadine, from *Strychnos* 1697
Matairesinol, as a precursor of *Podophyllum* lignans 1489
Maytenus diversifolia, friedelane alcohol from 3819
M. ilicifolia, triterpenes from 3713
Medicago hispida, triterpenoid saponins from 3389
M. sativa,
effect of sugar analogue on invertase activity in 3197
isoflavone *O*-methyltransferase activities in 2597
pterocarpan and isoflavans from 4147
Meliaceae 698, 921, 1225, 1615
Melochia corchorifolia, pseudooxindole alkaloid from 3159
Melodinus suaveolens, alkaloids from 3168
Melodorum fruticosum, cytotoxic butenolides from 2685
Membrane
fusion, abscisic acid as promoter of 3539
lipid fluidity, in senescing bean cotyledons 63
Menispermaceae 356, 1350, 1701, 1957, 2573
Mentha, variability of fatty acids in hybrids of 2285
M. piperita, biosynthesis of (−)-mintlactone and (+)-isomintlactone in 485
(+)-Menthol, biotransformation of, to its triglucoside by *Eucalyptus* cultures 1843
Metaseol, from *Metasequoia* 1034
Metasequoia glyptostroboides, diphenylmethane from 1034
Methoxybrassenins A and B, from *Brassica* 3921
6-Methoxymellein, from carrot, enzymes involved in biosynthesis of 1823
Methylenedioxy bridge forming enzymes, involved in benzylisoquinoline alkaloid biosynthesis 2953
24-Methylene-25-methylcholesterol, biosynthesis of, in *Phaseolus* 811
N-Methyltiliamosine, from *Tiliacora*, conformation and stereochemistry of 1701
17α-*O*-Methylyohimbine, degradation of in *Amsonia* roots 1449
Mimosa tenuiflora, triterpenoid glycosides from 2357
(+)-Mintlactone, biosynthesis of, in *Mentha* 485
Mitragyna speciosa, indole alkaloids from 347
Monnina sylvatica, flavonol glycosides from 3781
Monoclonal antibody, to scopolamine, use of for competitive ELISA 3273
Monocotyledons, inhibition of fatty acid elongation by thiocarbamate herbicides in 1445
Monostroma nitidum, heparinoid-active sulphated polysaccharides from 3611
Monoterpene glycosides, from *Hymenoxys* 553
Monoterpenoids,
biotransformation of, by *Aspergillus* 3981
from *Artemisia* 583, 1011
from *Chrysactinia* 3129
from *Ferula* 1207
polyhalogenated, from *Plocamium*, bioactivities of 2165
Montanoa speciosa, dimeric eudesmanolides from 3293
M. tomentosa, terpenoids from 1947
Moraceae 1669, 3285, 4196
quaternary nitrogen compounds from latex of 3285
Morinda citrifolia, HPLC assay of isochorismate synthase from cultures of 2873
Moringaceae 2623
Mucuna birdwoodiana, triterpenes from 3703
Murraya euchrestifolia, carbazole alkaloids from 1048, 1052
Musa, volatiles from cultivar susceptible to weevil 3929
Musaceae 3929
Musanga cecropioides,
A-ring contracted triterpenes from 2361
seco-ring-A-triterpenoids from root wood of 1621
Muscari racemosum, homoisoflavanones from 713
Musci, sterols from 2305
Mushroom tyrosinase, activity and purity of commercial preparations of 3899
Mycosphaerella rubella, structure revision of phenanthrenequinone from 2729
Mycotoxins,
from *Gibberella* 2259
trichothecene, from Brazilian *Baccharis* 789
Myrica rubra, diarylheptanoid diglycosides from 3077
Myricaceae 3077
Myricetin, chemosystematic significance of in *Tagetes* 4037
Myristicaceae 4204
Myrothamnaceae 2555
Myrothamnus flabellifolia, high arbutin and sucrose levels in leaves of 2555
Myrsinaceae 2019
Myrtaceae 1131, 1843, 3989

N
NaCl, effects of, on glycine-betaine and aphids in cereal seedlings 1793
NADH nitrate reductase, activation of, in tobacco XD cells 69
Nagilactones, growth effects of, on lettuce seedlings 455
Naphthalene glucoside lactone, from *Rhamnus* 4193
Naphthalides, from *Rhamnus* 4191
Naphthopyrones, from *Cassia* 708
Naphthoquinoid pigments, from *Pentas* 1726
Naphthoquinones,
from *Rubia* 637
furano-,
from *Lantana* 941
from *Tabebuia* 2379
isofurano-, from *Ventilago* 2427
Narciclasine glucoside, from *Pancratium* 3445
Naringin, changes in levels of, in grapefruit 3215
Naringin 6″-malonate, from grapefruit 4198
Neoflavones, phenylpropionyl-, from *Pityrogramma* 3091
Neolignan ketones, from *Piper* 3759
Neolignans,
bioactive, from *Magnolia* 2193
from *Ocotea* 4121
from *Piper* 1649
Neolitsea buisanensis, terpenoids from 4160
Neoraputia alba, pyrano flavones from 3157
Nerolidol esters, oxygenated, from *Inula* 3653
Neurospora crassa, folylpolyglutamate synthetase from 3525
Neurotoxic non-protein amino acids from *Cycas* and *Lathyrus*, crystal structures of 3635
Neurotoxin, biosynthesis of in *Lathyrus* callus tissue 3241
Neurotrophic sesquiterpenes, from *Plagiochila* 4061
Newropogon aurantiaco-ater, polysaccharides from 3125
Nickel hyperaccumulation, by *Dichapetalum* 2141
Nicotiana tabacum,
activation of NADH nitrate reductase in XD cells of 69
biotransformation of aromatic ketones with cell cultures of 3595
capsidiol and ethylene production induced by elicitor from *Phytophthora* 2171
separation of amine hydroxycinnamoyl transferases from callus of 1089
sterol composition in fenpropimorph-resistant calli of 2547
tyramine accumulation in transformed plants of 3245

Nitrate reductase, from spinach, partial amino acid sequence of 3519
Nitrate reduction, in pigeon pea nodules 51
Nitrogen
fixation, in pigeon pea nodules 51
metabolism, in *Tabernaemontana* cultures 3951
Nitzschia pungens, lipid composition of 113
Norisoprenoid gentiobioside, C-13, from quince fruit 3021
Nortriterpenoid glucoside, from *Vicoa* 3053
Nothofagus dombeyi, lipid composition of chloroplasts from cold-acclimated leaves of 763
Nuclease from rye, application of, for structural studies of plant RNA 1749
Nyctaginaceae 1109

O

Ochradenus baccatus, flavonol 3,7-triglycosides from 3777
Ocimum americanum, copane sesquiterpene alcohols from 691
Ocotea catharinensis, neolignans from 4121
Odixia angusta, kaurane succinates from 2703
Oenothera laciniata, phytoalexins produced by pathogen of 1471
Oleaceae 1191, 1511, 3147
Oleanolic acid, metabolism of monoglycosides of, in *Calendula* protoplasts 3909
Oleate desaturase, in developing sunflower seeds 2127
Oligosaccharide, acetylated, from bamboo shoot cell walls 2317
Oligosaccharide α-fucosidase activity, from *Pisum* and *Tropaeolum* 3203
Onagraceae 1471
Ononis viscosa, resorcinols from 641
Orchidaceae 321, 457, 971, 2092, 2432, 2733, 2759, 3429
Orthosiphon aristatus, induction of rosmarinic acid accumulation in cultures of 3267
Oryza sativa,
DNA topoisomerase I from cultures of 3885
insecticidal activity of lectin from 3565
exo-polygalacturonase from 2115
Osmanthus asiaticus, phenolic glycosides from 3147
Oxalate, involvement of, in reduction of spinach phenolase activity in winter 89
Oxalate oxidase, from *Sorghum* leaves 1065
Oxaloacetate, inhibition of phosphoenolpyruvate by tautomer of 751
β-*N*-Oxalyl-α,β-diaminopropionic acid, biosynthesis of, in *Lathyrus* callus tissue 3241
Oxymitra velutina, alkaloids, flavonoids and phenylpropanoids from 1265
Oxystelma esculentum, cardenolide tetraglycoside from 301
Oxytropis, triterpenoid saponins from 2707
O. bicolor, triterpenoid saponin from 3480
Ozothamnus obcordatus, prenylated aromatics from 2703

P

Pallenis spinosa, germacrane from 2788
Palmae 1073
Panax ginseng, polyacetylenes from 3327, 4053
Pancratium maritimum, glucosyloxy amidic phenanthridone from 3445
Papaveraceae 2151, 2953, 2973
metabolism of salsolinol by tissue cultures of 2973
Pappobolus, sesquiterpene lactones and benzofurans in glandular trichomes of 1861
Paramignya monophylla, triterpenoids from 1231
Parkinsonia aculeata, flavone 6-*C*-glucoside from 2442
Parsonsia laevigata, macrocyclic pyrrolizidine alkaloids from 1737
Parthenin, microbiological transformation of, by *Beauveria* and *Sporotrichum* 3599
Parthenium argentatum,
abundant rubber particle protein from 2493
rubber production in tissue cultures of 2611, 2615
Parthenocissus tricuspidata, resveratrol dimer from 3144
Passiflora, cyanohydrin glycosides with unusual sugar residues from 867
P. edulis, luteolin 6-*C*-chinovoside and 6-*C*-fucoside from 3486
P. foetida, insect deterrent flavonol from resin of 153
Passifloraceae 153, 867, 3486
Passitrifasciatin, revised structure of 87
Pavetta owariensis,
A-type proanthocyanidins from 4129
bioactive A-type proanthocyanidins from 337
ferulic acid esters from stem bark of 1024
Pavlova, fatty acids from 1855
Pearsonia, hydroxylated lupanines and their angelate esters in species of 3631
Pectin acetylesterase, from orange peel 445
Pedaliaceae 889
Pedicularis condensata, iridoid and phenylpropanoid glycosides from 2401
P. spicata, iridoid and phenylpropanoid glycosides from 3745
P. striata, phenylpropanoid and iridoid glycosides from 1341
Peganum harmala, β-carboline alkaloid from 1046
Pelargonium roseum, geranyl diphosphate synthase in leaves of 1757
Pellia endiviifolia, bis(bibenzyl)ethers from 1523
Peltogynoid, from *Cassine* 3490
Pendulin, from *Cymbidium* 2432
Penianthus zenkeri, clerodane diterpenes and alkaloids from 1957
Penicillides, from *Talaromyces* 2096
Pennisetin, study of conformational changes in 3889
Pennisetum americanum, fluoroscence spectroscopy of conformational changes in protein from 3889
Pentachlorophenol, effects of in cultured *Acer* cells 3553
Pentas longiflora, naphthoquinoid pigments from 1726
Pentatropis spiralis, terpenoids from 1331
Peptides, γ-glutamyl, metabolism of, during development of onion bulbs 2857
Peroxidases, in *Vicia* leaf vacuoles 73
Pestalotiopsis oenotherae, phytotoxins produced by 1471
Petunia hybrida, anthocyanins acylated with caffeic acid from 1729
Peucedanum japonicum, cytotoxic pyranocoumarins from 2812
Peziza echinospora, degradation of 1,4-α-glucans to echinosporin by 1419
Phaeocystis pouchetii, lipid composition of cultures of 3209
Phaeodactylum tricornutum, high content of eicosapentaenoic acid in 2963
Phaeophyta, essential oil from 1805
Phagnalon purpurescens, leysserals from 3009
Pharbitis nil, acylated peonidin glycoside in flowers of 2387
Phaseolus lunatus, induction of indirect defence against spider-mites in uninfested leaves of 1459
P. vulgaris,
abscisic acid biosynthesis in 815
biosynthesis of 24-methylene-25-methylcholesterol in 811
gibberellin 2β-hydroxylases from cotyledons of 2507, 2513
membrane protein conformation in senescing cotyledons of 63
modulation of elicitation response in cell cultures of 397

salicyloylaspartate from 4041
Phelline comosa, homoerythrina alkaloids from 3497
Phenalenone, diterpenoid, from *Pygmacopremna* 359
Phenanthraquinone, from *Bulbophyllum* 2092
Phenanthrene, polyoxygenated, from *Cymbidium* 2432
Phenanthrenequinone, from *Mycosphaerella*, structure revision of 2729
Phenanthrenes, from *Juncus* 3149
Phenethyl alcohol glycosides, from *Stachys* 965
Phenolase, from spinach, reduction of activity and reactivation of 89
Phenolic
choline esters, distribution of, in Cruciferae seeds 1873
glycosides,
Agrobacterium vir-inducing activities of 3549
from *Dipasacus* 2805
from *Lilium* 937
from *Osmanthus* 3147
from *Viburnum* 2013
Phenolics,
from *Colchicum* 3081
from *Machilus* 315
from *Populus* bud exudates 531, 1883, 1887, 3005
from *Tamarix* bark 3763
Phenols, prenylated, from *Glycyrrhiza* 1245
2-Phenoxychromones, from *Rosa* 3837
Phenylacetic acids, cytotoxic, from *Entada* 3749
L-Phenylalanine ammonia lyase inactivating factor, from sunflower 85
Phenylethanoid glycosides, from *Plantago* 2015
Phenylpropanoic acid-sucrose esters, from *Prunus* 1475
Phenylpropanoid glycosides,
from *Brandisia* 701
from *Pedicularis* 1341, 2401, 3745
from *Phlomis* 3073
Phenylpropanoids,
antimicrobial, from *Piper* 3227
from *Oxymitra* 1265
from *Todaroa* 4189
Phenylpropenoic acids, characterization of cyclodimers of 2007
Pheromones, from Japanese brown algae 1805
Philotheca citrina, pyranocoumarins from 4033
Phlebia radiata, influence of aromatics and lignin on production of ligninolytic enzymes by 2869
Phlomis linearis, phenylpropanoid glycosides and iridoids from 3073
P. rotata, iridoid glucosides from 4156
Phloroglucinols,
from *Carpophyllum* 3423
from *Dryopteris* species 3305
inhibiting thromboxane A_2 and leukotriene D_4, from *Hypericum* 2559
Phlorotannins, from *Carpophyllum* 2741, 3417
Phoma exigua, cytochalasins from 3945
Phosphatases, acid, in germinating *Vigna* seeds 2119
Phosphatidylcholine, in *Brassica* seedlings, light-induced changes in 2895
Phospholipid composition, of lichen species 837
Phospholipids,
different susceptibilities of, to degradation 2537
oxidation of by *Pisum* extracts 2889
Phosphorylases, of pea cotyledon starch, affinity purification and kinetics of 1079
Phosphorylation, of proteins, in cell-free *Vicia* translation system 3185
C-Phycocyanin, from *Aphanothece* 3515
Phycomyces blakesleeanus,
in vivo and *in vitro* carotenogenesis in 2587
use of carB mutants of in phytoene desaturase assays 3971
Phylloquinone biosynthesis, in *Euglena* 3585
Phyllostachys edulis, acetylated feruloyl arabinoxylan from 2317
Phytoalexin
biosynthesis, in *Medicago* cultures 259
production, by tobacco cells, induced by cryptogein from *Phytophthora* 2171
Phytoalexins,
aurone, induced in *Cephalocereus* culture 1133
from *Allium* bulbs 799
from carrot, enzymes involved in biosynthesis of 1823
from copper chloride-treated *Pueraria* stems 1481
from cupric chloride-treated *Iris* leaves 2197
from *Glycine*, high yield isolation of 3233
isoflavonoid, from *Iris* leaves 157
sesquiterpene, biosynthesis of, in cotton 197
stilbene, from sugar cane 3229
sulphur-containing, from cabbage 2915, 3921
Phytoecdysteroids, distribution of during development of spinach 2905
Phytoene desaturase assay, use of *Phycomyces* mutants in 3971
Phytolacca esculenta, triterpenoid and its saponin from 4179
Phytolaccaceae 1109, 2623, 4179
Phytophthora cinnamomi, homothallism induced by *Trichoderma* volatiles in 3545
P. cryptogea, capsidiol and ethylene production by tobacco cells in response to elicitor from 2171
Phytosterols, biosynthesis of in *Phaseolus* 811
Phytotoxic eremophilane ether, from *Hypomyces* 1463
Phytotoxins,
from *Alternaria*, biosynthesis of 1815
from *Cochliobolus* 2563
from *Fusicoccum*, structure–activity relationships of 137
produced by *Eutypa*, a pathogen of grapevine 471
produced by fungal pathogen of *Cyperus* 2191
produced by *Pestalotiopsis*, a pathogen of evening primrose 1471
Picea,
age dependent accumulation of vitamin E in 2147
distribution of vitamin E in organs and species of 147
P. abies,
flavonol 3-*O*-glucosyltransferase, from needles of 1773
heterogeneous distribution of diaryl propanes in 659
P. sitchensis, distribution of astringin and isorhapontin in 2183
Piceatannol, from *Colletotrichum*-infected sugarcane 3229
Picrasma javanica, quassinoids from 933, 4099
Picrodendron baccatum, picrotoxane terpenoids from 3353
Picrorhiza kurrooa, cucurbitacins from 305
Pinaceae 147, 593, 659, 667, 845, 1333, 1425, 1773, 1983, 2147, 2183, 2793, 2911, 3591
Pinus armandii,
diterpenoid acids from 2793
serratene triterpenes from bark of 1333
P. densiflora, water-soluble polysaccharides from 1425
P. ponderosa, resin acids from needles of 845
Pipecolic acid, *trans*-4-methoxy-, from *Inga* 2397
Piper, oxygenated cyclohexanes from 871
P. attenuatum, 8-hentriacontanol from 2075
P. capense,
neolignan ketones from 3759
neolignans from 1649
P. sarmentosum, antimicrobial phenylpropanoids from 3227
Piperaceae 871, 1649, 2075, 3227, 3759
Piscicidal sterol acylglucosides, from *Edgeworthia* 2927
Piscidia erythrina, isoflavones from 2769
Pisolithus tinctorius,
antifungal antibiotics from 1113

revision of configuration of triterpenoids from 3818
Pistacia lentiscus, triterpenoids from the resin of 3709
Pistia stratiotes,
acylglycosylsterols from 2422
steroid from 2420
Pisum sativum,
affinity purification and kinetics of cotyledon starch phosphorylases of 1079
allelopathic and antimycotic activity of β-isoxazolinonyl-alanine from 467
ATP-dependent proteolysis in extracts of 1401
α-fucosidase activity from growing stems of 3203
inhibition of amino acid decarboxylases in 99
interaction of thiocarbamate herbicides with fatty acid synthesis in 2883
metabolism of tocopherol by 1099
oxidation of phospholipid by extracts of 2889
proteinolytic enzyme complex from dry seeds of 2487
Pittosporaceae 2623, 4158
Pittosporum tobira, absolute configurations of germacrane sesquiterpenes from 4158
Pityrogramma calomelanos, complex flavonoids from 3091
Plagiochila fruticosa, neurotrophic sesquiterpenes from 4061
P. longispina, cyclohexenone from 3643
P. moritziana, spiroterpenoids from 3043
Plant growth factors, from *Alternaria* 2825
Plantaginaceae 1317, 2015
Plantago asiatica, phenylethanoid glycosides from 2015
P. major, iridoid glucoside from 1317
Platycapnos, isoquinoline alkaloids from 3315
Plicatin B, antimicrobial principle from *Psoralea* 3569
Plocamium cartilagineum, insecticidal activities of polyhalogenated monoterpenes from 2165
Ploiarium alternifolium, geranyl anthraquinones from 3141
Pluchea arguta, sesquiterpenes from 689
P. indica, terpene and lignan glycosides from 655
Podocarpaceae 455, 1467, 1951, 1967, 3476
Podocarpus nagi,
antifungal norditerpene dilactone from 1467
bisnorditerpene dilactone from 3476
complete ^{1}H and ^{13}C NMR assignments of totarols from 1951
effects of nagilactones from, on growth of lettuce seedlings 455
norditerpene lactones from 1967
Podophyllum,
biotransformation of lignans from, in *Forsythia* cultures 1511
matairesinol as precursor of lignans in 1489
Pogonatum urnigerum, homo-α-linolenic acid in 117
Polyacetylenes,
acetylated, from *Panax* roots 4053
from *Bupleurum* roots 1543
from *Dahlia* 515
from hairy root cultures of *Lobelia* 2255
from *Hedera* fruits 4151
from *Panax* roots 3327
Polyacetylenic thiophenes and terpenoids, from *Echinops* roots 879
Polyachyrus sphaerocephalus, sesquiterpenes from 893
Polyamine levels, and their correlation with dark-induced leaf senescence 105
Polyamines,
in cucumber, influence of UV-B radiation on 2101
linear and branched, from *Vicia* seeds 3319
Polyenes, from *Centaurea* 3457
Polygala tenuifolia, xanthones from 2061
Polygalaceae 2061, 3781
Polygalacturonase, in tree pollen 1753
exo-Polygalacturonase, from rice shoots 2115
Polygonaceae 3155
Polygonatum orientale, steroidal saponins from 3405
Polygonum flaccidum, flavone and an α-santalene from 3155
Polyolefines, from *Cirsium* roots 1539
Polyphenol oxidase, phylogenetic distribution of 2499
Polyphenols, from *Acacia* 3767
Polypodium, triterpenoids from species of 3369
Polyporus, quinolone alkaloid from 371
Polyprenols, long-chain, from *Potentilla* 267
Polysaccharide biosynthesis, in *Lilium* bulbs 3579
Polysaccharides,
from cell walls of *Pseudodichotomosiphon* 201
from *Cajanus* cotyledon 263
from dried and non-dried walls of sycamore cultures 3903
from *Newropogon* 3125
immunologically active, from *Arnica* cultures 1141
sulphated,
from *Cladophora* 259
from *Spongomorpha* 1183
heparinoid-active, from Chlorophyta 3611
with anticoagulant activity, from *Ecklonia* 535
water-soluble,
from *Ginkgo* leaves 3017
from *Pinus* root 1425
Pongamia glabra, chromenoflavanone and caffeic esters from 3834
Populus, GC-MS analysis of phenolics of bud exudate from 531, 1883, 1887
P. deltoides, polygalacturonase in pollen of 1753
P. sieboldii, bud exudate phenolics from 3005
Porella acutifolia, sesquiterpenoids from 567
Poria cocos, triterpenoids from 2796
Porphyra, enzymatic formation of hexadecanoic acids in 193
P. perforata, floridoside phosphate synthase from 1763
P. umbilicalis,
cytochrome c-553 from 2845
flavodoxin isoforms from 2835, 2841
ribulose biphosphate carboxylase from 745
Portulaca grandiflora, betalains from 1897
P. pilosa, clerodane diterpenoids from 4075
Portulacaceae 1109, 1897, 4075
Potentilla aurea, long-chain polyprenols from 267
Pregnane glycosides, from *Hemidesmus* 297
Premna japonica,
acylated iridoid glycosides from 4045
iridoid diglycoside monoacyl esters from 1917
Prenytransferase, of isoflavonoid phytoalexin biosynthesis in soybean 479
Primula florindae, stearidonic acid from 4011
P. macrophylla, flavone glucoside from 4206
Primulaceae 4011, 4206
Proanthocyanidins,
A-type,
from *Pavetta* 337, 4129
from *Prunus* 2041
from *Cistus* 981
from *Croton* 2033
Procyanidin
glycoside, from *Erythroxylum* 1255
oligomers,
from Douglas fir bark 667
from grape seeds 1259
Procyanidins, from cocoa 1657
Proline content, increase of in barley seedlings by water stress 1093
Prolyl hydroxylase, ascorbic acid utilization by 1397
Prosopsis juliflora, amino acid sequence of trypsin inhibitor from seeds of 2829

Protein
conformation, of microsomal membranes, in senescing bean cotyledons 63
phosphorylation, in cell-free system from *Vicia* 3185
Proteinolytic enzyme complex, from dry pea seed 2487
Proteins,
from seeds of sunflower cultivars 2849
incorporation of L-canavanine into 1055
with rubber transferase activity, from guayule 2493
Proteolysis, ATP-dependent, in etiolated pea 1401
Prunasin, from *Prunus* fruits 1475
Prunus, bitter principles from fruits of 1475
P. cerasus, flavonoid 5-glucosides from bark of 1519
P. persica, acid invertase from 95
P. spinosa, A-type proanthocyanidins from 2041
Pseudodichotomosiphon constrictus, cell wall polysaccharides and systematics of 201
Pseudomonas, structure-activity relationships of zeatin cytokinins produced by 3505
P. andropogonis, biosynthetic pathway to rhizobitoxine in 1809
Pseudotsuga menziesii, procyanidin oligomers from 667
Psidium acutangulum, antifungal dihydrochalcone from 1131
Psoralea juncea, antimicrobial phenylpropenoid from 3569
P. plicata, benzoquinone and coumestan from 2800
Pteridophyta 1909, 2080, 2307, 2817, 3091, 3197, 3247, 3305, 3369, 3478, 3839
Pterocarpan,
from alfalfa 4147
from *Astragalus* 2777
malonated, from *Sophora* 1732
Pterocaulon purpurascens, coumarin from 2757
Pueraria lobata, induced isoflavonoids from copper chloride-treated stems of 1481
Pulicaria undulata, *nor*-guaianolide and eudesmanolide from 2405
Putrescine hydroxycinnamoyl transferase, from tobacco callus, ion exchange chromatography of 1089
Pygmacopremna herbacea, diterpenoid phenalenone from 359
Pyracantha coccinea, acetylated flavanone glucoside from 3830
Pyranocoumarins, as chemotaxonomic markers in *Eriostemon* and *Philotheca* 4033
Pyranodihydrobenzoxanthone, from *Artocarpus* 1669
Pyrone, from *Hyptis* 2753
Pyrrophyta 1781

Q

Q-enzyme, from potato tubers 437
Quassinoid glucosides, from *Picrasma* 4099
Quassinoids,
chemogeographical evolution of, in Simaroubaceae 853
from *Eurycoma* 3138
from *Picrasma* 933
Quercetin 3,7,4′-triglucoside, formation of from quercetin by *Vitis* hybrid cell cultures 829
Quercus petraea, insoluble ellagitannins from wood of 775
Q. robur, dimeric ellagitannin from 329
Quinic acid esters, from *Insertia* 311
Quinovic acid glycosides, from *Uncaria* 1635

R

Rabdosia loxothyrsa, *ent*-kaurene diterpenoids from 603
R. pseudo-irrorata, diterpenoids from 283
R. yuennanensis, *ent*-kaurene diterpenoids from 917
Radula, prenyl bibenzyls from 219, 235
R. javanica, cyclopropanochromans from 325
Radulaceae 219, 235, 325
Ranunculaceae 1724, 3494, 3605, 4195
Rapanea umbellata, terpeno-*p*-hydroxybenzoic acids from 2019
Raphanus sativus,
castasterone and brassinolide from seeds of 364
growth inhibitors in 57
Raphanusasins, occurrence of in plants 57
Raputia paraensis, *C*-glycosylflavones from 3840
Rauwolfia linearifolia, 3-*epi*-β-yohimbine from roots of 1352
R. serpentina, stereospecificity of hydrogen transfer by NADP-linked dehydrogenase from 2223
Reboulia hemisphaerica, gymnomitrane sesquiterpenoid from cultures of 1013
Rehmannia glutinosa, norcarotenoids from 1639, 1997
Resedaceae 2623, 3777
Resin
acids, from *Pinus* needles 845
glycosides, from *Convolvulus* 957
Resorcinols, from *Ononis* 641
Resurrection plants, changes of metabolites in fresh and dehydrated leaves of 461
Resveratrol dimer, from *Parthenocissus* 3144
Rhamnaceae 1348, 2427, 3103, 3741, 4191, 4193
Rhamnus formosana, flavonol and anthraquinone glycosides from 3103
R. libanoticus, acetophenone and naphthalides from 4191
R. wightii, naphthalene glucoside lactone from 4193
Rhazya stricta, alkaloids from 1285
Rhizobitoxine biosynthesis, in *Pseudomonas* 1809
Rhododendron molle, grayanoid diterpenoid insect antifeedants and insecticides from 1797
Rhodomelaceae 255
Rhodophyta 193, 207, 255, 745, 1187, 1763, 1921, 2165, 2279, 2835, 2841, 2845, 2983, 3323, 4172
glycolipids and fatty acids from 2279
Rhodotorula glutinis, effects of sunflower inactivating factor on PAL from 85
Rhus semialata, triterpene from 2415
Rhytidiadelphus squarrosus,
effects of culture conditions on fatty acids in 1837
incorporation of linoleic acid in cultures of 2899
Ribulose bisphosphate carboxylases, from Rhodophyceae and Chlorophyceae 745
Ricinodendron heudelotii, dinorditerpenoids from 619
Ricinus communis,
adenylate cyclase in roots of 109
effect of lectins on invertase from 419
Rogeria adenophylla, iridoid glucosides from 889
Roldania sessilifolia, eremophilanolides from 1716
Rollinia ulei, structural elucidation of stereoisomeric acetogenins from 2721
Rosa davurica, hydrolysable tannin oligomers from 2747
R. laevigata, steroids and triterpenoids from 3383
R. rugosa,
carotane and acorane sesquiterpenoids from 3729
2-phenoxychromones and flavone from 3837
Rosaceae 95, 267, 1475, 1519, 2041, 2747, 3021, 3383, 3729, 3830, 3837
Rosmarinic acid
accumulation, induction of, in *Orthosiphon* 3267
synthase, from *Coleus* cell cultures 2877
Rubber
particle protein, from guayule 2493
production, in guayule,
environmental and chemical effects on 2615
in morphologically distinct tissue cultures 2611
Rubia cordifolia, 6-methoxygeniposidic acid from 1710
R. oncotricha, anthraquinones, naphthoquinones and naphthohydroquinones from 637
R. schumanniana, anthraquinone diglycosides from 947

R. tinctorum,
anthraquinone production by transformed roots of 1507
HPLC assay of isochorismate synthase from 2873
Rubiaceae 311, 337, 347, 505, 623, 637, 823, 947, 997, 1024, 1507, 1635, 1710, 1726, 2029, 2089, 2309, 2399, 2438, 2873, 2947, 3069, 3117, 3157, 3441, 3571, 3595, 3913, 3999, 4039, 4129
Rutaceae 343, 445, 1048, 1052, 1231, 1487, 1709, 1915, 2094, 2365, 2659, 2677, 2809, 3215, 3488, 3803, 3840, 4033, 4198

S
Saccharum, piceatannol as a phytoalexin from 3229
S. officinarum, glutathione *S*-transferae from 1409
Salicaceae 531, 1753, 1883, 1887, 2161, 3005
Salicyloylaspartate, from *Phaseolus* leaves 4041
Salix, fatty acids and alkanes in leaves of frost-tolerant and -susceptible clones of 2161
Salsola soda, incompatibility of proline with enzymes of 411
S. somalensis, isoflavonoids from roots of 1281
Salsolinol, metabolism of by tissue cultures of Papaveraceae 2973
Salvadoraceae 2623
Salvia lavanduloides, secoclerodane diterpenoids from 3357
S. mellifera, diterpenes from 4067
S. microstegia, abietane diterpenoids from 2085
S. miltiorrhiza, diterpenoids from 2791
S. palaefolia, sesquiterpene lactones from 3462
S. przewalskii, diterpenoids from roots of 3815
S. reptans, diterpenoids from 2335
S. wiedemannii, diterpenoids from 2412
Sambucus canadensis, anthocyanins from 4137
α-Santalenes, from *Polygonum* 3155
Santolina chamaecyparissus, sesquiterpenes from 3339
Sapindaceae 2699
Sapindus delavayi, acyclic sesquiterpene oligoglycosides from 2699
Sapium eugniaefolium, 6-hydroxykaempferol 7-rutinoside from 2815
Sapogenins,
steroidal,
from *Helleborus* 1724
from *Solanum* fruits 1339
structure–activity relationships of synthetic monoglycosides of 2557
triterpenoid, from *Madhuca* 2087
Saponins,
from *Solidago* 1629
nortriterpenoid, from *Stauntonia* callus 2425
steroidal,
from *Agave* 1336
from *Allium* 3063
from *Camassia* bulbs 3721
from *Cestrum* 3057
from *Lilium* 937
from *Polygonatum* rhizomes 3405
from *Yucca* caudex 633, 1993
structure-activity relationships of 3943
triterpenoid,
acylated, from *Bellis* 627
bidesmosidic, from *Schefflera* 3717
biosynthesis and accumulation of, in *Gypsophylla* 1819
from *Albizzia* 4111
from *Crossopteryx* 3069
from *Cylicodiscus* 2711
from *Deutzia* 2798
from *Gypsophila* 927
from *Leucas* 4181
from *Medicago* 3389
from *Mimosa* 2357
from *Oxytropis* 2707, 3480
from *Phytolacca* 4179
from *Schefflera* 2349, 2717
from *Triplostegia* 3401
from *Verbascum* 3395
Sapotaceae 2087
Sarcocapnos, alkaloids from 1175
S. enneaphylla, alkaloids from 1005
S. saetabensis, alkaloids from 2071
Sargassum, fatty acid composition in species of 2639
Sargentia gregii, volatiles from 1915
Saturejoideae, fatty acids from 2979
Saxifragaceae 2798, 4011
Scammonins III–IV, from *Convolvulus* 957
Schefflera octophylla,
bidesmosidic triterpenoid saponin from 3717
sulphated triterpenoid saponin from 2717
triterpene glycosides from 2349
S. venulosa, betulinic acid glycoside from 2419
Schisandra sphenanthera, lignans from 975
Schisandraceae 975
Schistochila aligera, diterpenoids from 849
Schizaeaceae 1909, 3247
Schizaphis graminum,
gramine content in barley and susceptibility to 3237
effects of NaCl levels in cereals on 1793
Scoparia dulcis, diterpene acids in chemotypes of 3617
Scopolamine, monoclonal antibody to and its use for competitive ELISA 3273
Scorzonera hispanica, GC-MS of volatiles from cooked roots of 883
Scrophulariaceae 305, 589, 701, 1341, 1639, 1719, 1997, 2265, 2401, 3365, 3395, 3617, 3745
Scutellarioideae, fatty acids from 2979
Scytophycins, cytotoxic and fungicidal, from blue-green alga 3615
Secale cereale,
application of nuclease from, for RNA studies 1749
jasmonic and cucurbic acids from 1909
Secodopa pigments, from *Hygrocybe* and *Amanita* caps 3251
Secoiridoid glucosides, from *Jasminum* 1191
Seiridium, phytotoxic sesquiterpene from 131
Semialatic acid, from *Rhus* 2415
Senecio,
furoeremophilanes from Chilean species of 2691
sesquiterpenoids and shikimic acids from 1211
S. argunensis, pyrrolizidine alkaloids from 1303
S. chrysanthemoides, eudesmanolides from 2329
S. integrifolius, pyrrolizidine alkaloids from 1734
S. pachyphyllos, furoeremophilanes from 2078
S. pseudotites, chalcones from 2440
S. toluccanus, eremophilanolides from 905
S. zoellneri, furoeremophilanes from 2407
Sesquiterpene lactone-monoterpene adduct, from *Gaillardia* 1273
Sesquiterpene lactones,
eremophilanolides,
from *Roldania* 1716
from *Senecio* 905
eremophilenolides, from *Hertia* 2083
eudesmanolides,
from *Montanoa* 3293
from *Senecio* 2329
from *Achillea* 3464, 4163
from *Artemisia* 583, 1573, 1714, 1941, 3033, 3661
from *Centaurea* 2331, 4165
from *Cicerbita* 1319
from *Cronquista* 909
from *Guizota* 1579
from *Hymenoxys* 553, 1585
from *Illicium* 351

from Jerusalem artichoke 519
from *Jurinea* 1929
from *Montanoa* 1947, 3293
from *Pappobolus* 1861
from *Pulicaria* 2405
from *Salvia* 3462
from *Senecio* 905, 1211, 2329, 2407
from *Siegesbeckia* 1579
from *Stevia* 693, 1933
from *Vernonia* 2653, 3808, 4025
furoeremophilanolides, from *Senecio* 2407
germacranolides, from *Anthemis* 3458
glaucolides,
from *Botriocline* 2807
from *Vernonia* 4025
guaianolides,
from *Anthemis* 3657
from *Brachylaena* 3810
from *Brickellia* 1591
from *Centaurea* 4165
from *Stevia* 693
microbiological transformation of, by *Beauveria* and *Sporotrichum* 3599
3-oxa-guaianolides, from *Achillea* 4163
xanthanolides, from *Xanthium* 3461
nor-Sesquiterpene lactones, with new carbon skeleton, from *Artemisia* 1941
seco-Sesquiterpene lactones, with new carbon skeleton, from *Artemisia* 1941
Sesquiterpenoid
acids,
eremophilane, from *Haeckeria* 2643
eudesmane, from *Artemisia* 2403
from *Conyza* 575
alcohols,
from *Frullania*, geographical distribution of 2295
from *Ocimum* essential oil 691
alkaloids, from *Celastrus* 3437
esters,
from *Tripterygium* 1561, 1567, 3027
germacrane, from *Ligularia* roots 2325
guaiane, from *Thapsia* 2987
ether, phytotoxic, from *Hypomyces* 1463
glycoside, from *Dennstaedtia* 2080
ketal, from *Bunium* 3467
ketones, from *Lippia* 1323
oligoglycosides, acyclic, from *Sapindus* 2699
polyol esters,
from *Celastrus* 1321, 4169
from *Tripterygium* 1567, 3027
insecticidal, from *Celastrus* 3931
Sesquiterpenoids,
benzofurano-, from *Ligularia* 3132
brasilane, from *Laurencia* 1921
cadinane, from *Artemisia* 4167
carotane, from *Rosa* 3729
dihydroagarofuran, from *Celastrus* 1547
dimeric, from *Baccharis* 1597
drimane, from *Ganoderma* and *Cryptoporus* 1555
from agarwood 563, 3343
from *Artemisia* 3349, 3469, 4167
from *Bazzania* 3037
from *Caulerpa* 3041
from *Celastrus* 271, 1547
from *Chiloscyphus* 3806
from *Euryops* 899
from *Ferula* 1207
from *Inula* 3653
from *Juniperus* wood 1551
from *Lactarius* 1326
from *Pluchea* 689
from *Polyachyrus* 893
from *Porella* 567
from *Senecio* 1211, 2078, 2691
germacrane,
biotransformation of, by *Aspergillus* 3993
from *Pallenis* 2788
from *Pittosporum*, absolute configuration of 4158
from *Santolina* 3339
guaiane, from agarwood 3343
gymnomitrane, from *Reboulia* cultures 1013
ichthyotoxic, from *Dittrichia* 1121
isocedrene, from *Acourtia* 2695
neurotrophic, from *Plagiochila* 4061
phytotoxic, from *Seiridium* pathogenic for cypress 131
tritium transfer during biosynthesis of, in cotton 197
Setaria italica,
coumarin from 3826
flavone 7-glucoside from 1345
Shikimate pathway intermediates, uptake by intact chloroplasts of 2203
Shikimic acids, from *Senecio* 1211
Sideritis canariensis, diterpenes from 3361
S. ferrensis, diterpenes from 913
Siegesbeckia orientales, sesquiterpene lactones from 1579
Signal transduction, mechanism of, in cultured *Phaseolus* 397
Silphiper folenes, functionalized, from *Artemisia* 3349
Simaroubaceae 853, 933, 3138, 3353, 4099
chemographical evolution of quassinoids in 853
Sinapine, distribution of, in Cruciferae seeds 1873
Slug-repellency, of alkaloids in *Cinchona* seedlings 3571
Solamin, from *Annona* seeds 3335
Solanaceae 69, 165, 423, 427, 437, 497, 685, 733, 739, 757, 801, 815, 1042, 1089, 1299, 1339, 1435, 1729, 1777, 1827, 2171, 2275, 2523, 2547, 2607, 2667, 2933, 2977, 3057, 3161, 3245, 3273, 3277, 3559, 3595, 3824, 4184
monoclonal antibody to scopolamine for screening cultures of 3273
restriction of acetophenone signal compounds to 2933
tropane alkaloids in root cultures of 2275
Solanum, steroidal alkaloid from species of 1299
S. elaeagnifolium, acylated kaempferol glycoside from 1042
S. incanum, steroidal glycoalkaloids from 685
S. neocardenasii, steroidal alkaloid from 3161
S. torvum, steroidal sapogenins or alkaloids from 1339
S. tuberosum,
dehydroascorbate reductase from tubers of 427
glucosyltransferase specific for solanidine in 1827
invertase inhibiting lectin from 739
modulation by fructose of invertase from 423
Q-enzyme from 437
transmission of steroidal glycoalkaloids from *S. vernei* to 165
tuber-inducing activities of jasmonic acid in 1435
uncoupling activities of phenylurea derivatives on mitochondria and thylakoid membranes of 733
Solidago canadensis, saponins from 1629
Sophora exigua, lupin alkaloids from 3793
S. flavescens, trifolirhizin malonate from 1732
S. griffithii, lupin alkaloids from 1001
S. leachiana, lavandulyl- and stilbenoid flavanones from 3773
Sorghum vulgare, oxalate oxidase from 1065
Spermacoceine, from *Borreria* 997
Spermidine hydroxycinnamoyl transferase, from tobacco callus, ion exchange chromatography of 1089
Sphaeranthus, carvotacetones and *ent*-labdanes from 3297
Sphagnum fimbriatum, effects of temperature and light on glycolipids of 2529
Spiciferones, phytotoxic, from *Cochliobolus* 2563
Spinacia oleracea,
ecdysteroid distribution during development of 2905

partial amino acid sequence of nitrate reductase from 3519
role of oxalate in chloroplast phenolase activity reduction in 89
uncoupling activities of phenylurea derivatives on mitochondria and thylakoid membranes of 733
Spirostane hexaglycoside, from *Agave* 4187
Spirostanol glycoside, from *Cestrum* 3057
Spiroterpenoids, C-35, from *Plagiochila* 3043
Spirulina, fatty acid composition in 205
Spondias mombin, antiviral ellagitannins from 1129
Spongomorpha indica, sulphated polysaccharide from 1183
Sporotrichum pulverulentum, microbial transformation of parthenin by 3599
Stachys aegyptiaca, flavonoids from 1169
S. sieboldii, phenethyl alcohol glycosides from 965
Stauntonia hexaphylla, saponin from callus of 2425
Stearidonic acid (18:4 ω3), from *Primula* 4011
Stemodia chilensis, stemodane diterpenoids from 1719
S. maritima, microbial transformation of diterpene from 2265
Sterculiaceae 1657, 3159
Steroid, from *Pistia* 2420
Steroidal
glycosides,
from *Agave* 1336, 4187
12-hydroxy-, from *Yucca* caudex 1993
plant growth regulators, from *Raphanus* seeds 364
Sterol
acylglucosides, piscicidal, from *Edgeworthia* 2927
composition, in fenpropimorph-resistant tobacco calli 2547
glycosides,
from *Rosa* 3383
from *Hericum* 4117
Sterols,
acylglycosyl, from *Pistia* 2422
from Amaranthaceae and other Caryophyllales 523
from diatoms 2301
from *Dioscorea* bulbils 2369
from *Hydrodictyon* 3621
from Leguminosae seeds 4029
from *Mandevilla* roots 1239
from mosses 2305
Stevia, guaianolides from 693
S. grisebachiana, guaianolides and germacranolides from 1933
S. salicifolia, dammarane from 3822
S. seleriana, labdane diterpenoids from 599
Steviol, biotransformation of, by *Eucalyptus* and *Coffea* cultures 3989
Stilbene
dimer, from *Parthenocissus* 3144
glucosides, distribution of in sitka spruce trees 2183
Stilbenoids,
from *Carex* 645, 649
from *Cassia* cultures 1849
from *Cirrhopetalum* 3429
from *Coelogyne* 971
from *Gnetum* 4201
from sugarcane, as phytoalexin 3229
fungicidal activities of 2939
methylated, from *Bletilla* 2759
Stress metabolites, see Phytoalexins
Strophanthus divaricatus, biotransformation of digitoxigenin by cultures of 1503
Structure–activity relationships,
of jasmonic acids and tuber-inducing activity 1435
of synthetic sapogenin and sterol monoglycosides 2557
of zeatin cytokinins produced by *Pseudomonas* 3505
Strychnaceae 1697
Strychnos gossweileri, cytotoxic alkaloid from 1697
S. henningsii, indole alkaloids from 3449
o-Succinylbenzoic acid, isolation of, from anthraquinone producing cultures of *Galium* 823
Sucrose, in leaves of a resurrection plant 2555
Sugar analogue, affect of, on plant growth 3197
Sulphur dioxide, effects of, on rye grass cell wall composition 2155
Sulphur, elemental, effects of foliar application of, on sulphur-deficient wheat 729
Swertia chirata, triterpenoids from 4087
S. chirayita, xanthone from 1037

T

Tabebuia ochracea, furanonaphthoquinones from 2379
Tabernaemontana divaricata,
indole alkaloids from 1740
nitrogen metabolism in 3951
Tagetes, chemosystematic significance of myricetin in 4037
Talaromyces derxii, penicillide and dehydroisopenicillide from 2096
Tamaricaceae 3763
Tamariscol, from *Frullania*, geographical distribution of 2295
Tamarix aphylla, phenolics from bark of 3763
Tannin
oligomers, hydrolysable, from *Rosa* 2747
production, in hairy root culture of *Geranium* 825
Tannins,
antimicrobial properties of 3875
condensed,
from *Croton* 2033
from Douglas fir bark 667
from *Erythroxylum* 1255
from grape seeds 1259
from *Prunus* 2041
hydrolysable,
from *Acacia* 3767
from *Euphorbia* 1251
from *Hippophae* 663
production of, in *Geranium* cultures 501
Taraxacum officinale, volatiles from cultures of 3977
Taxaceae 1613, 2345
Taxodiaceae 1034
Taxus brevifolia, taxane diterpene from 1613
T. chinensis, taxane diterpenes from 2345
Tentoxin, *N*-methylation in the biosynthesis of 1815
Tephrosia leiocarpa, flavanones from 3832
Terpene
aldehydes, biotransformation of, by *Euglena* 1147
diol glucosides and aglucones, from *Urtica* 1203
glycosides,
from *Epimedium* 2025
from *Pluchea* 655
Terpeno-*p*-hydroxybenzoic acids, from *Rapanea* 2019
Terpenoids,
chemogeographical evolution of, in Icacinaceae 2671
from *Azadirachta* fruit coatings 1615
from *Laurencia* 4172
from liverworts 215, 4019
from *Neolitsea* 4160
from *Pentatropsis* 1331
involved in indirect defence of lima bean leaves against spider-mites 1459
picotoxane, from *Picrodendron* 3353
polyacetylenic, from *Echinops* roots 879
spiro-, from *Plagiochila* 3043
Testosterone isomers, biotransformation of, by *Marchantia* culture 2269
Tetradium rutaecarpa, limonoid glucosides from 2365
Tetrahydrofurofuranlignan glucosides, synthesis of 3087
Tetrahydroisoquinoline-monoterpene glucosides, from *Cephaelis* 3117

Teucrium, absolute stereochemistry of clerodane diterpenoids from 613
T. bidentatum, *neo*-clerodane diterpenoid from 1721
T. gracile, *neo*-clerodane diterpenoids from 3693
T. japonicum, *neo*-clerodane diterpene from 4175
T. oliverianum, *neo*-clerodane diterpenoids from 275, 1603
T. oxylepis, *neo*-clerodane diterpenoids from 4079
T. pernyi, *neo*-clerodane diterpenoids from 1963
Thalictrum minus, role of ethylene in berberine production by 3605
Thallophyta, phospholipid and fatty acid composition of 837
Thapsia villosa, guainane esters from 2987
Theaceae 991, 2057, 2109, 2245
Thelephora terrestris, cytokinin production by liquid cultures of 2249
Theobroma cacao, procyanidins of unfermented beans 1657
8-Thiabicyclo[3.2.1]octan-3-one, as a tool in tropane alkaloid biosynthesis studies 2607
Thioamide glycoside, from *Entada* 3749
Thiocarbamate herbicides,
  inhibition of fatty acid elongation in monocots by 1445
  interaction of, with fatty acid synthesis in germinating peas 2883
Thiol composition, of xylem sap from beech trees 1415
Thiophenes, from *Echinops* 879, 1157
Thlaspi arvense, autolysis of, in bovine rumen fluid 127
Thymeliaceae 563, 2927, 3343
Thymus willkomii, variability of essential oil of 2289
Tilia tomentosa, development and seasonal variations in epicuticular waxes of 769
Tiliaceae 769, 1989
Tiliacora racemosa, stereochemistry of *N*-methyltiliamosine and tiliaresine from 1701
Tinospora cordifolia, biosynthesis of clerodane furanoditerpene lactone skeleton in 2573
T. malabarica, furanoid diterpenoid from 356
Tirucallanes, from *Paramignya* 1231
Tocopherol
  content, during seedling development of *Picea*, *Zea* and *Phaseolus* 2911
  metabolism, by *Pisum* 1099
Tocopherols,
  distribution of, in organs of *Picea* 147
  diurnal changes in [U-^{14}C]tyrosine incorporation into, in *Xantium* leaves 1107
Todaroa aurea, phenylpropanoids from 4189
Totarols, complete ^{1}H and ^{13}C NMR assignments of 1951
Triacylbenzenes, from *Cochlospermum* rhizome 4153
Tributyroylglycerol hydrolase, activity of in latex of *Carica* 1069
Trichilia prieuriana, triterpenoids from 698
Trichoderma harzianum, butenolide from cultures of 3802
T. koningii, bioassay for bioactive volatiles from 3545
Trichothecene mycotoxins,
  biosynthesis of, in *Fusarium* 2237
  from Brazilian *Baccharis* 789
Trifolirhizin malonate, from *Sophora* 1732
Trigonelline contents, of coffee seeds 2309
Triphyophyllum peltatum, alkaloids from 1691, 3845
Triplostegia grandiflora, triterpenoid saponins from 3401
Tripterygium wilfordii,
  sesquiterpene alkaloid from 719
  sesquiterpene esters from 1561, 1567
  sesquiterpene polyol esters from 3027
Triterpenoid
  acids,
    from *Dacryodes* 1221
    3,4-*seco*-, from *Hoya* leaf wax 1625
  alcohol, friedelane, from *Maytenus* 3891
  glycosides,
    from *Barringtonia* 4177
    from *Mimosa* bark 2357
    from *Schefflera* 2349, 2419
    nor-, from *Isertia* 623
  ketols, from *Euphorbia* 4093
  lactones, from *Abies* stem bark 1983
  triones, fernane, from *Euphorbia* 293
Triterpenoids,
  antitumour, from *Ganoderma* 4105
  A-ring contracted, from *Musanga* 2361
  dammarane,
    from *Dysoxylum* 921
    from *Stevia* 3822
  fernane, from *Adiantum* 3478
  from *Abies* 593
  from *Alibertia* 2089
  from *Bursera* resin 362
  from *Cassine* 3490
  from *Cedrela* 1225
  from *Corchorus* 1989
  from *Garcinia* 361
  from gum mastic 3709
  from *Leptosphaeria* 1235
  from *Maytenus* 3713
  from *Mucuna* 3703
  from *Paramignya* fruits 1231
  from *Phytolacca* 4179
  from *Pisolithus*, C-22, C-23 configuration of 3818
  from *Polypodium* species 3369
  from *Poria* 2796
  from *Rhus* 2415
  from *Rosa* 3383
  from *Trichilia* 698
  28-nor-, from *Vicoa* 3053
  seco-ring A, from *Musanga* 1621
  serratene, from *Pinus* 1333
  spirobicyclic, from *Belamcanda* and *Iris* 3379
  swertane, from *Swertia* 4087
Triticeae, perennial, hydroxamic acid control of 1531
Triticum, effects of NaCl on glycine-betaine in 1793
T. aestivum,
  allelopathic effect of root exudates of wild oats on 2199
  effect of germ isolectins of, on development of cowpea weevil 785
  effects of foliar application of sulphur on 729
  hydroxamic acid content in tissues of 3281
  tyramine hydroxycinnamoyl transferase in 2519
T. vulgare, amino acid and glycine-betaine accumulation in cold-stressed seedlings of 407
Tritium transfer, during biosynthesis of cadalene stress compounds in cotton 197
Tropaeolaceae 2623, 3203
Tropaeolum majus, α-fucosidase activity from germinating seeds of 3203
Tropinone, enzymes catalysing the reduction of, from *Datura* roots 801
Tryptophan decarboxylase gene, chimeric tyramine accumulation in *Nicotiana* transformed with 3245
Tuberonic acid, potato tuber-inducing activity of 1435
Tulipa gesneriana, flavonol glucuronides from 1679
Tyramine, accumulation of in transformed *Nicotiana* 3245
Tyramine hydroxycinnamoyl transferase, in roots of wheat and barley seedlings 2519

U

Uleicins A–E, structural elucidation of, by tandem MS 2721
Ulva pertusa, enzymatic formation of hexadecanoic acids in 193
Umbelliferae 710, 1207, 1535, 1543, 1823, 1977, 2383, 2803, 2812, 2987, 3467, 3595, 4143, 4189

Uncaria callophylla, dimeric indole alkaloids from 3441
U. guianensis, quinovic acid glycosides from 1635
Urtica dioica,
insecticidal activity of lectin from 3565
terpene diol glucosides and aglucones from 1203
Urticaceae 1203, 3565
Uvaria narum, acetogenins from 545, 2373
UV-B radiation, influence on polyamines, lipid peroxidation and membrane lipids in cucumber 2101

V
Vancouveria hexandra, prenylated flavonol glycosides from 2765
Vellozia declinans, cleistanthane diterpenes from 3136
Velloziaceae 3136
Ventilago goughii,
acetonaphthone and isofuranonaphthoquinone from 2427
benzisochromanquinones from 3741
Veratrum album, steroidal alkaloids from 368
Verbascum songaricum, triterpene saponins from 3395
Verbena hybrida,
acetylated anthocyanins in 671
pelargonidin 3-acetylglucoside from 3828
Verbenaceae 359, 671, 941, 1323, 1917, 3812, 3828, 4045
Vernonia,
glaucolides from Old World species of 4025
sesquiterpene lactones from African species of 2653
V. jugalis, sesquiterpene lactones from 3808
Viburnum dilatatum, phenolic glycosides from 2013
Vicia faba, peroxidases in leaf vacuoles of 73
V. sativa,
linear and branched polyamines from 3319
protein phosphorylation in cell-free system from 3185
Vicoa indica, 28-nortriterpenoid glucoside from 3053
Vigna sinensis, acid phosphatases from germinating seeds of 2119
Vinca major, 11-methoxytetrahydroalstonine from 2447
Virgilia, alkaloids from 1891
Virola pavonis, lignan from 4204
Virulence induction, in *Agrobacterium*, activation of by glycosylated phenolics 3549
Vitaceae 451, 471, 829, 875, 1259, 3144
Vitamin E
content of, during development of seedlings 2911
distribution of, in organs of *Picea* 147
in spruce needles, age dependent accumulation of 2147
Vitamin K, biosynthesis of, in *Euglena* 3585
Vitis, triglucosylation of quercetin by cultures of 829
V. vinifera,
β-glucosidase from 451
phytotoxin produced by pathogen of 471
procyanidin dimers and trimers from seeds of 1259
Volatile ketones, from *Cochlospermum* rhizomes 4153
Volatiles,
bioactive, from *Trichoderma*, bioassay of 3545
from banana cultivar susceptible to weevils 3929
from cooked scorzonera, GC-MS of 883
from davana oil 549
from *Sargentia* 1915
from *Taraxacum* cultures 3977

W
Water stress, increase of enzyme activities in barley seedlings by 1093
Waxes, epicuticular, of *Tilia* leaves, variation in 769
Wilbrandia, *nor*-cucurbitacin glucosides from 1020
Withania somnifera, withanolides from 3824
Withanolides,
from *Dunalia* 4184
from *Withania* 3824

X
Xanthanolides, ichthyotoxic, from *Dittrichia* 1121
Xanthines, 3-substituted, as inhibitors of cytokinin *N*-glucosylation 2477
Xanthium spinosum, sesquiterpene lactones from 3461
X. strumarium, diurnal changes in tyrosine incorporation into tocopherols and plastoquinone in 1107
Xanthomonas campestris, coronatine analogues produced by 3917
Xanthone 2,4-di-*C*-glycosides, from *Asplenium* 3839
Xanthones,
from *Calophyllum* heartwood 366
from *Chironia* 3625
from *Halenia*, structural revision of 1347
from *Hoppea* 1036
from *Polygala* 2061
from *Swertia* 1037
prenylated, from *Garcinia* 3433
Xylem sap, from beech trees, thiol composition of 1415
Xyloglucan α-fucosidase activity, from pea stems and nasturtium seeds 3203
Xylopia, diterpene adducts from 1869

Y
3-*epi*-β-Yohimbine, from *Rauwolfia* roots 1352
Yucca gloriosa,
12-hydroxysteroidal glycosides from 1993
12-keto steroidal saponins from 633

Z
Zea mays,
auxin effects on H^+ accumulation by ATPase from 1391
chemical modification of malic enzyme from 431
dolichol-phosphate glucosyltransferase from 2865
inhibition of phosphoenolpyruvate carboxylase from 751
Zieridium ignambiensis, methylenedioxyflavones from 3488
Zingiber officinale, diarylheptanoids from 3647
Z. zerumbet, acetylated flavonolglycosides from 2391
Zingiberaceae 2391, 3647
Zizyphus spina-christi, cyclopeptide alkaloids from 1348
Zosteraceae 2279
Zygophyllaceae 1046